

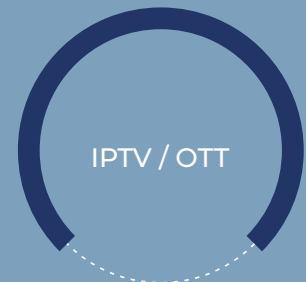
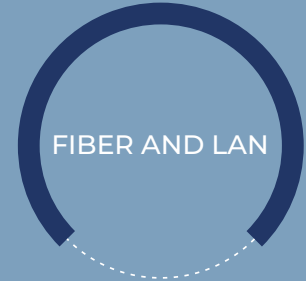
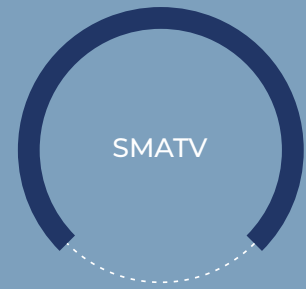
ENTER THE EK WORLD  
EXCLUSIVELY FOR PROFESSIONALS

20  
23

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# CATALOGUE

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## ABOUT US



**Ekselans by ITS (EK)** is the registered trademark of the company ITS Partner, a company founded in 2011 and dedicated exclusively on the design, development, production and distribution of professional telecommunications electronics.



Although a young company our members pool together over 30 years of experience in the sector, having pool created and developed leading industrial and R&D companies worldwide. It is particularly this experience which has enabled the EK brand to be present in the market with a range of innovative, competitive products and always with the clear objective of providing solutions to the telecommunications professional.



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Sant Cugat del Vallès, Barcelona



**MADRID HEAD OFFICE**  
Madrid



**CANARIAS SUBSIDIARY**  
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**LOGISTIC CENTRE**  
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**R&D CENTERS**  
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**ASSEMBLING AND PRODUCTION LINES**  
-Barcelona



**ASSEMBLING AND PRODUCTION LINES**  
-Barcelona  
-Las Palmas G.C.



**INTERNATIONAL OFFICES**  
-Milán (Italia),  
-Lisboa (Portugal)  
-Toulouse (Francia)

## WHY CHOOSE US?



European technology company with a significant R&D investment



Face-to-face and online training programs (EK Webinar Academy)



Best-in-class technical support



Commercial approach exclusively to professionals



Continuous business growth opportunities with new technological solutions



Wide range of solution and real alternative to others market players



Excellent quality/price relationship and great retail margins



Continuous and qualified commercial support



Recognized reliability throughout hundreds of implemented projects












Full process support during new projects deployment. "Zero problems" policy

## THE EK RANGE

 <p><b>SMATV</b></p>	 <p><b>Fiber and LAN</b></p>	 <p><b>Receivers, modulators and remote control extenders</b></p>	 <p><b>CM headend / transmodulators, encoders and streamers</b></p>	 <p><b>Hospitality and social health/ iptv servers/ chromecasting/ OTT and operators</b></p>
 <p><b>CATV/HFC</b> optical transmission-reception</p>	 <p><b>DTT+SAT</b> transmission over fiber optics</p>	 <p><b>GPON - solutions for hospitality, residential, industry and smart cities</b></p>	 <p><b>Signal Meter</b></p>	 <p><b>EKOAX</b> Ethernet over Coaxial</p>
 <p><b>Wifi, switches, 4g routers and lan cables</b></p>	 <p><b>HOTSPOT</b> captive portal and network audit</p>	 <p><b>Security</b></p>	 <p><b>Video door entry and access control systems</b></p>	

## BUSINESS AREAS

 <p><b>SMATV distribution, fiber and data</b> in residential and building sector</p>	 <p><b>Video Door Entry and Access Control</b></p>	 <p><b>Data network and television integration. Professional IPTV and OTT servers</b></p>	 <p><b>High-speed communication networks in tertiary sector</b></p>	 <p><b>High-speed communication networks for Industry 4.0</b></p>
 <p><b>Global telecommunication solutions and multiservice in hospitality sector</b></p>	 <p><b>Advanced network systems for Smart Cities</b></p>	 <p><b>Entertainment and remote assistance solutions in Healthcare sector</b></p>	 <p><b>Professional sensing for industrial and residential environments</b></p>	

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Ek states that the products of this price list are those that appear in the technical data sheets of the same. Ek declines responsibility that could be derived from possible errors or omissions.

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The technical sheets, manuals, images and product declarations of conformity are available at **[www.ek.plus](http://www.ek.plus)**

**E** DISCONTINUED

**N** NEW

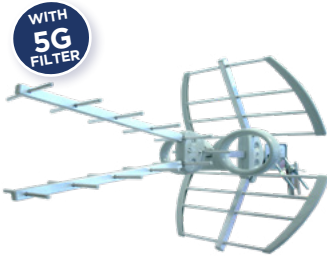
# 01

## SMATV

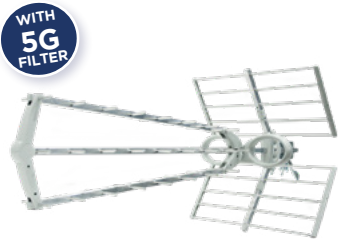




EK MINI L2



EK 70 L2



EK 100 L2



EK BLUE

Code	Reference	Description	Packaging unit quantity
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**OUTDOOR ANTENNAS**

**FM/DAB RADIO ANTENNAS**

011001	FM 1	FM antenna (87,5 - 108 MHz) omnidirectional with F connector. G: 1dB	6/24
011002	FM IN	FM antenna (87,5 - 108 MHz) omnidirectional with F connector. G: 1dB. Single packaging	1/6/24
012001	DAB 1	DAB antenna (195 - 223 MHz) omnidirectional with F connector G: 1dB	6/30
012002	DAB IN	DAB antenna (195 - 223 MHz) omnidirectional with F connector G: 1dB. Single packaging	1/6/24

**UHF ANTENNAS - easyU - 5G**

013012	EK MINI L2	UHF LTE2 antenna (470 - 694 MHz) with F connector. G: 12dB. Length 455 mm	6/144
013015	EK 70 L2	UHF antenna LTE2 (470 - 694 MHz) with F connector. G: 13,5dB. 6 units box	6/144
013014	EK 100 L2	UHF antenna LTE2 (470-694 MHz) with F connector. F. G:17,5dB. Length 1070 mm	6/72
013031	DAP 22 <b>N</b>	Active / passive dipole compatible with EK MINI / EK 70 / EK 100. 22dB gain in active mode . Power supply 12 to 24Vdc.	1/30

**UHF ANTENNAS - PRE-FIX + easyU - 5G**

013023	EK BLUE	UHF antenna LTE2 (470-694 MHz) with F connector. G: 17 dB. High rejection 5G filter.	6/144
013027	EK BLUE IN <b>N</b>	UHF antenna LTE2 (470-694 MHz) with F connector. G: 17 dB. High rejection 5G filter. Individual packing	1/72

# Ekblue€

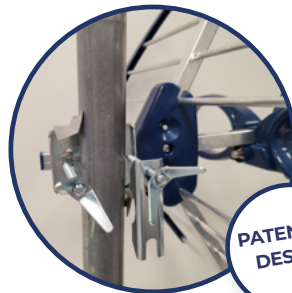
**PRE-FIX:** NEW PATENTED MOUNTING FOR A MUCH EASIER, COMFORTABLE AND SAFER INSTALLATION

**EK BLUE:** toolless assembling in 5 clicks. Hyperbolic reflectors for an exceptional gain



Watch how easy is to assemble the Ek blue

**PRE-FIX:** holds the antenna on the pole mast by it's own weight

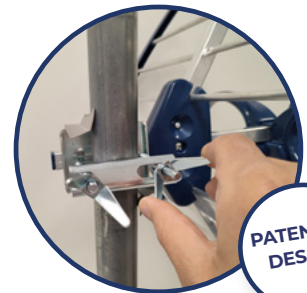


PATENTED DESIGN



Watch how Pre-fix will help you

**easyU** quick wing nut slide-on for an easy fixing



PATENTED DESIGN



Watch how fast is easyU

**UHF ANTENNAS - PRE-FIX + easyU - 5G**

013028	EK BLUE ACTIVE <b>N</b>	UHF active antenna LTE2 (470-694 MHz) with F connector. G: 38 dB. High rejection 5G filter. 12 - 24 Vdc power supply (not included)	6/144
013029	EK BLUE ACTIVE IN <b>N</b>	UHF active antenna LTE2 (470-694 MHz) with F connector. G: 38 dB. High rejection 5G filter. 12 - 24 Vdc power supply (not included). Individual packing	1/72
013030	KITEKBLUEACTIVE <b>N</b>	UHF active antenna LTE2 (470-694 MHz) with F connector. G: 38 dB. High rejection 5G filter. 12 - 24 Vdc power supply. FA QC 242 power supply included. Individual packing	1/72

# EKblue active

To all existing mechanical advantages of the EK Blue model, a revolutionary amplifier integrated into the antenna dipole is now added. Its low noise figure and its very high output level allows simultaneous reception of weak signals with very powerful ones without intermodulation, assuring an optimal signal quality. Its wide working range makes it 100% operational even with possible reception level variations. For any received signal in passive mode between 37dBuV and 85dBuV, EK Blue active will add a real gain of 20dB without any degradation of the received quality (MER). It includes an high rejection 5G filter.



**OD 60**



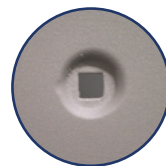
**OD60R\* / OD 80R / OD 80AL**  
\*Single clamp



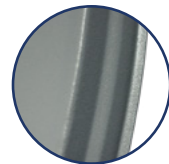
**ODS 60 / ODS 82**



**ODS 60 / ODS 82 AZ/EL mount**



Square hole and carriage bolt



Triple bend reinforced edge



**OD 100 AZ/EL mount**

**SATELLITE DISHES**

**STEEL SERIE**

021045	ODS 60-1	Satellite offset dish 60 cm. G: 36,67dB (12,5 GHz). RAL 7035 Color. Individual packaging	1/20
021046	ODS 60-2	Satellite offset dish 60 cm. G: 36,67dB (12,5 GHz). RAL 7035 Color. Box of 2 pcs	2/40
021042	ODS 60-10	Satellite offset dish 60 cm. G: 36,67dB (12,5 GHz). RAL 7035 Color. Box of 10 pcs	10/100
021022	ODS 60-350	Satellite offset dish 60 cm. G: 36,67dB (12,5 GHz). RAL 7035 Color. 350 pcs bulk pallet	350
021006	OD 60R-6	Satellite offset dish 60 cm. G: 33,5dB (10,7 GHz) / 34,8dB (11,7 GHz) / 35,4dB (12,7 GHz). Color RAL 7035. 6 pcs box.	6
021038	OD 60R-100	Satellite offset dish 60 cm. G: 33,5dB (10,7 GHz) / 34,8dB (11,7 GHz) / 35,4dB (12,7 GHz). Color RAL 7035. 100 pcs bulk pallet	100
021007	OD 80R-6	Satellite offset dish 80 cm G: 36dB (10,7 GHz) / 37,5dB (11,7 GHz) / 38,1dB (12,7 GHz). Color RAL 7035. 6 pcs box.	6
021039	OD 80R-100	Satellite offset dish 80 cm G: 36dB (10,7 GHz) / 37,5dB (11,7 GHz) / 38,1dB (12,7 GHz). Color RAL 7035. 100 pcs bulk pallet.	100
021047	ODS 82-1	Satellite offset dish 82 cm G: 38,52dB (12,5 GHz). RAL 7035 Color. Individual packaging	1/15
021048	ODS 82-2	Satellite offset dish 82 cm G: 38,52dB (12,5 GHz). RAL 7035 Color. Box of 2 pcs	2/30
021026	ODS 82-10	Satellite offset dish 82 cm G: 38,52dB (12,5 GHz). RAL 7035 Color. Box of 10 pcs	10/100
021049	ODS 100-1	Satellite offset dish 100 cm G: 40,32dB (12,5 GHz). RAL 7035 Color. Individual packaging	1/10
021050	ODS 100-2	Satellite offset dish 100 cm G: 40,32dB (12,5 GHz). RAL 7035 Color. Box of 2 pcs	2/20
021051	ODS 100-3	Satellite offset dish 100 cm G: 40,32dB (12,5 GHz). RAL 7035 Color. Box of 3 pcs	3/30
021008	OD 100-3	Satellite offset dish 100cm. G: 38,8Db(10,7 GHz) / 39,3dB (11,7 GHz) / 39,3dB (12,7 GHz). Color RAL 7035. 3pcs box	3
021037	OD 100-25	Satellite offset dish 100cm. G: 38,8Db(10,7 GHz) / 39,3dB (11,7 GHz) / 39,3dB (12,7 GHz). Color RAL 7035. 25 pcs bulk pallet	25
021010	MFC 2	Multifeed for 2 LNBs	10

\* Unit price

**SATELLITE DISH + LNB KIT**

021055	KIT ODS 60-1 <b>N</b>	Satellite offset dish 60 cm. G: 36,67dB (12,5 GHz). RAL 7035 Color. LNB 11 included. Individual packaging	1/20
021056	KIT ODS 60-10 <b>N</b>	Satellite offset dish 60 cm. G: 36,67dB (12,5 GHz). RAL 7035 Color. LNB 11 included. Box of 10 pcs	10/40

\* Unit price



M 150 / M 250



GT



SP 32 / SP 32G / SP 40F



SP 40



SP 50

SS 60



LNB 11



LNB 21 MG

## MECHANICAL ACCESSORIES

## MASTS

025026	M 120-35	Stackable mast 1,2 m long, 35x1,5 mm	6
025027	M 120-40	Stackable mast 1,2 m long, 40x1,5 mm	4
025015	M 250	Stackable mast 2,5 m 35x1,5 mm	6

## CLAMPS AND FLANGES

025016	GT	L-shape bracket for studs. M8 flange	20
025017	GTP	350mm support bracket with plate for studs. M8 flange	25
025004	MR 8	Mast / balcony mount bracket for SP 32 / SP 35 / SP 40	50
025025	ACH	Chimney support bracket	15
025029	K ACH	Chimney protection kit for ACH support bracket	15

## TOWERS

025018	BFT	Tower Fixed base 180mm	1/4
025019	GR	Straight threaded hook (single unit)	1/24
025020	TIT 25	Intermediate tower section 2.5m 180mm	1
025021	TFT 25	Final tower section 2.5m 180mm	1
025030	TFT 12	Final tower section 1.2m 180mm	1
025024	KVT	Kit 25 m steel cable + cable ties + coupling	1

## SUPPORTS

025010	SP 32	Wall-mount support, zinc-plated steel. Diameter 32 mm.	10
025012	SP 32G	Hot galvanized wall support. Diameter 32mm	10
025001	SP 35	Wall-mount support, hot-galvanized steel. Diameter 35 mm.	20
025011	SP 40F	Wall-mount support, zinc-plated steel. Diameter 40 mm.	10
025002	SP 40	Rotating wall-mount support, sendzimir tube and hot-galvanized steel base. Diameter 40 mm.	6
025004	MR 8	Mast / balcony mount bracket for SP 32 / SP 35 / SP 40	50
025003	SP 50	Floor-mount support, hot-galvanized steel. Diameter 50 mm.	4
025007	SS 60	Hot galvanized floor support. 60 mm diameter	1
025013	BFS	Fixed base for SS 60	1

## LNB'S

## PLL SERIES WITH LTE/4G FILTER

022012	LNB 11	Single LNB. Input frequencies 10,7 - 11,7 GHz (O.L.: 9,75 GHz) / 11,7 - 12,75 GHz (O.L.: 10,6 GHz)	10/100
022013	LNB 21	Twin LNB. Input frequencies 10,7 - 11,7 GHz (O.L.: 9,75 GHz) / 11,7 - 12,75 GHz (O.L.: 10,6 GHz)	10/60
022026	LNB 21 MG N	Multidegree MONOBLOCK LNB (adjustable). 1 output. Input frequencies 10.7 - 11.7GHz (O.L.: 9.75GHz) / 11.7 -12.75GHz (O.L.: 10.6GHz). Integrated DiSEqC switch	10/60

**DRO SERIES WITH LTE 4G FILTER AND DOUBLE SHIELD**
**DRO SERIE  
UNMATCHED  
QUALITY**

022017	DRO 10 G	Single LNB, high quality, DRO Technology. Input frequencies 10,7 - 11,7 GHz (O.L.: 9,75 GHz) / 11,7 - 12,75 GHz (O.L.: 10,6 GHz)	10/100
022018	DRO 20 G	Twin LNB, high quality, DRO Technology. Input frequencies 10,7 - 11,7 GHz (O.L.: 9,75 GHz) / 11,7 - 12,75 GHz (O.L.: 10,6 GHz)	10/60
022014	DRO 40 G	Quad LNB, high quality, DRO Technology. Input frequencies 10,7 - 11,7 GHz (O.L.: 9,75 GHz) / 11,7 - 12,75 GHz (O.L.: 10,6 GHz)	10/60
022019	DRO 80 G	Octo LNB, high quality, DRO Technology. Input frequencies 10,7 - 11,7 GHz (O.L.: 9,75 GHz) / 11,7 - 12,75 GHz (O.L.: 10,6 GHz)	10/40
022009	DRO 21	LNB MONOBLOCK 6° universal 1 output. High quality, DRO technology. Input frequencies 10,7 - 11,7 GHz (O.L.: 9,75 GHz) / 11,7 - 12,75 GHz (O.L.: 10,6 GHz). DiSEqC switch built-in.	10/60


**DRO 40G / DRO 44G**

**DRO 80G**

**LNB SATCR**

**LNB WB**

**CD 21**
**SERIE SATCR - DCCS**

022022	LNB DCCS-L	LNB DCCS 16 user bands	10/60
022020	LNB SATCR	LNB SatCR + 2 legacy + TV mix. SCR frequencies: 1210 - 1420 - 1680 - 2040 MHz	10/60

**COLLECTIVE AND MULTI-SWITCHING SYSTEMS**

022015	DRO 44 G	Quattro LNB, high quality, for SMATV / multiswitches. Input frequencies 10,7 - 11,7 GHz (O.L.: 9,75 GHz) / 11,7 - 12,75 GHz (O.L.: 10,6 GHz)	10/60
022024	LNB WB	LNB Wideband. Input freq: 10,70-12,75 GHz. 2 outputs HV/HV. Output freq: 290-2340 MHz. OL 10,41 GHz	10/60
022027	LNB WB 1040 <b>N</b>	LNB Wideband. Input freq: 10,70-12,75 GHz. 2 outputs HV/HV. Output freq: 300-2350 MHz. OL 10,40 GHz	10/60

**DiSEqC SWITCHES**

023001	CD 21	DiSEqC Switch for 2 LNBs. Frequency 950-2400 MHz. Insertion loss: <2 dB	10/120
024001	PMM	Waterproof case for CD 21	10/120
023004	CD 41	DiSEqC Switch for 4 LNBs with waterproof case. Frequency 950-2400 MHz. Insertion loss: <3 dB	10/60


**FE 686 · FE 690**
**5G - LTE FILTERS**

031026	FE 686	Lte2 band rejection filter for outdoor installation. Passband frequencies: 5-686 MHz. Rejection:> 22dB (695 MHz) / > 35dB (702 MHz)	10/60
031028	FE 690	Lte2 band rejection filter for outdoor installation. Passband frequencies: 5-694 MHz. Rejection:> 12dB (695 MHz) / > 25dB (702 MHz)	10/60
031027	FI 686	Lte2 band rejection filter for indoor installation. Passband frequencies: 5-686 MHz. Rejection:< 5dB (686MHz) / > 25dB (703 MHz)	12/72
031029	FI 680	Lte2 band rejection filter for indoor installation. Passband frequencies: 5-686 MHz. Rejection:> 12dB (694 MHz) / > 25dB (703 MHz). Allows passage of C48 with low losses	10/100


**FI 686**

**FI 680**



Ek

A CLASS

+10 dB

QuiCoax



MQC TS



MI 2 TS L / RI 2



PMM



AM 361 EASY MAGNEK



PATENTED EK FIXING SYSTEM



Access AM 361 EASY MAGNEK demo video



SINGLE PACKING KIT

KIT AM 361

MIXERS/OUTDOOR SPLITTERS

131005	MQC TS	QUICOAX. Mixer/ demixer 2 inputs: TER LTE (5-790 MHz) / SAT (950-2300 MHz). Insertion loss: 1dB (TER) / 1,5dB (SAT). DC pass in SAT input.	10/120
131003	MI 2 TS L	Mixer/ demixer 2 inputs: TER / SAT. Insertion loss: 1dB (TER) / 1,5dB (SAT). DC pass in SAT input.	10/120
141006	RI 2	2 outputs A class splitter. Passband: 5-2400 MHz. Insertion loss: 4dB (862 MHz) / 5,5dB (2300 MHz). All ports DC pass. All connectos in one side.	10/120
024001	PMM	Waterproof case for CD 21	10/120
131002	MI 3 ICT	Mix / demix TER / SAT for ICT installations. 3 inputs: TER (5-862 MHz) / 2 x SAT (950-2300 MHz). 2 outputs: TER + SAT 1 / TER + SAT 2. Insertion loses: 4dB (TER) / 2dB (SAT).	10/100

MAST AMPLIFIERS AND POWER SUPPLIES

EASY MAGNEK DTT 5G 24 VDC

051030	AM 361 EASY MAGNEK	Mast amplifier 1 input: UHF (470-694MHz). G: 36dB. Output level (DIN 45004B): 114dBµV. Working voltage: 24Vdc. With DC current passage in UHF input. Ek patented magnetic fixing system. With 5G High rejection filter	10/60
051017	AM 322 EASY MAGNEK	Mast amplifier 2 input: UHF (470-694MHz). G: 2x 32dB. Output level (DIN 45004B): 114dBµV. Working voltage: 24Vdc. With DC current passage in UHF2 input. Ek patented magnetic fixing system. With 5G High rejection filter	10/60
051018	AM 402 EASY MAGNEK	Mast amplifier 2 input: VHF (47-230 MHz) UHF (470-694MHz). G: 28 dB (VHF) 38 dB (UHF). Output level (DIN 45004B): 114dBµV. Working voltage: 24Vdc. Test output (-20 dB). Ek patented magnetic fixing system. With 5G High rejection filter	10/60

easy magnek

- ✓ Patented and exclusive Ek magnetic clamping system
- ✓ Great ease of installation thanks to the built-in magnetic fixing system
- ✓ Easy, comfortable and safer to work at height
- ✓ One-handed mounting
- ✓ Compatible with any support or pole on the market
- ✓ With optimized ABS plastic enclosure with self-supporting lid and cable lock.
- ✓ Tilting amplifier for easy wiring
- ✓ High rejection 5G filter
- ✓ High output level avoiding intermodulation problems when using strong and weak signals
- ✓ **Working status LED** (except AM 361 EASY MAGNEK)
- ✓ Low noise factor

EASY MAGNEK KIT

051032	KIT AM 361	Mast amplifier 1 input: UHF (470-694MHz). G: 36dB. Output level (DIN 45004B): 114dBµV. Working voltage: 24Vdc. With DC current passage in UHF input. Ek patented magnetic fixing system. With 5G High rejection filter. FA QC 242 included	10/40
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**DTT 5G 24 Vdc**

051024	AM 311 L2	Mast amplifier with Lte2/5G band rejection. 1 entry: UHF (470-694 MHz). G: 35dB / Output level (DIN 45004B): 110dBuV. Working voltage: 24 Vdc. With DC current passage in UHF input.	10/60
051026	AM 381 L2	Mast amplifier with Lte2/5G band rejection. 1 input: UHF (470-694 MHz). G: 40dB / Output level (DIN 45004B): 114dBuV. Working voltage: 24 Vdc. Second output (TEST) -20dB. With DC current passage in UHF input.	10/60

**24Vdc POWER SUPPLIES**

052003	FA 24 S	Switched power supply. Output voltage: 24Vdc. Maximum current: 150mA. 2 outputs with F connector	10/60
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**24 Vdc QuiCoax POWER SUPPLIES**

053003	FA QC 24	Switched power supply. Output voltage: 24Vdc. Maximum current: 150mA. 1 QuiCoax output	10/60
053004	FA QC 242	Switched power supply. Output voltage: 24Vdc. Maximum current: 150mA. 2 QuiCoax outputs	10/60
053007	FA QC 242SC 	Switched power supply with electrical cable terminal (without power cable). Output voltage: 24Vdc. Maximum current: 150mA. 2 QuiCoax outputs	10/60
163004	AQC F	QUICOAX. Male adapter to F female	25/1000
059001	AMCD 	DIN rail fixing accessory (for QuiCoax and amplifiers)	1/1000



**AM 311 L2 / AM 381 L2**



**FA 24S**



**FA QC 242 + AQC-F**



- ✓ High performance switched power supply
- ✓ Ultra compact size
- ✓ Fits on 80x80 mm junction boxes
- ✓ Very easy to install, few seconds needed
- ✓ Fast quicoax connection, no connectors needed
- ✓ High shielding quicoax zamak housing
- ✓ Working status LED
- ✓ **Latest generation QuiCoax system for the easiest connection**



**FA QC 242SC**

**EASY MAGNEK DTT 5G + SAT SINGLE CABLE**

051019	AM 313 EASY MAGNEK	Mast amplifier 3 input: VHF (47-230 MHz) / UHF (470-694MHz) / SAT (950 - 2200 MHz). G: 20 dB (VHF) / 30dB (UHF) / -2 dB (SAT). Output level (DIN 45004B): 112dBuV. Working voltage: 12-24Vdc. With DC current passage in SAT input. Ek patented magnetic fixing system. With 5G High rejection filter	10/60
051020	AM 283 EASY MAGNEK	Mast amplifier 3 input: VHF/UHF (47-230 / 470-694 MHz) / UHF (470-694MHz) / SAT (950 - 2200 MHz). G: 20/26 dB (VHF-UHF) / 26dB (UHF) / -2 dB (SAT). Output level (DIN 45004B): 112dBuV. Working voltage: 12-24Vdc. With DC current passage in SAT input. Ek patented magnetic fixing system. With 5G High rejection filter	10/60

**DTT + SAT SINGLE CABLE POWER SUPPLY**

052002	FA 121	Power supply. Output voltage: 12Vdc. Maximum current: 200mA. With DC pass for LNB (18Vdc/22KHz). 1 output with F connector	10/60
052005	FA 12 MINI	Switching power supply. Output voltage: 12Vdc. Maximum current: 250mA. 1 output with F connector	10/60
166001	RFF	Quick F to 2 F connector splitter	50/400



**AM 313 EASY MAGNEK**



**FA 121**



FA QC 12



MCA 402 L2



CA 422 L2



CA 383 L2



CA 403



CA 374

## 12 VDC QUICOAX POWER SUPPLY FOR DTT + SAT SINGLE CABLE

053001	FA QC 12	Switched power supply. Output voltage: 12Vdc. Maximum current: 300mA. LNB power supply (13-18Vdc/22KHz). 1 QuiCoax output	10/60
053006	FA QC 12SC N	Switched power supply with terminal (without network cable). Output voltage: 12Vdc. Maximum current: 300mA. 2 QuiCoax outputs	10/60
163004	AQC F	QUICOAX. Male adapter to F female	25/1000
059001	AMCD N	DIN rail fixing accessory (for QuiCoax and amplifiers)	1/1000

## PREAMPLIFIER FOR WIDE-BAND AMPLIFIERS

101002	AL 23	Preamplifier 47-790MHz. G: 23dB. Output level: (DIN 45004B): 110dB $\mu$ V, Working voltage: 12-24Vdc. With 5G High rejection filter	10
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## WIDE-BAND MICRO AMPLIFIERS 5G

061008	MCA 402 L2	Micro amplifier with Lte2/5G rejection. 2 inputs: VHF (47-230MHz) / UHF (470-694MHz) with SAW filter. G: 32dB (VHF) / 40dB (UHF) / Output level (DIN 45004B): 117dB $\mu$ V (VHF) / 114dB $\mu$ V (UHF). With DC current passage in UHF input (switchable on/off) 12Vdc. A class. With 5G High rejection filter	10/60
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## WIDE-BAND COMPACT AMPLIFIERS 5G

DTT 5G			
062007	CA 422 L2	Broadband amplifier with Lte2/5G rejection. 2 inputs: VHF (47-230 MHz) / UHF LTE2 (470-694 MHz). G: 30dB (VHF) / 40dB (UHF). Output level (DIN 45004B): 117dB $\mu$ V. DC pass in UHF input. A Class	6/24
062006	CA 383 L2	Broadband amplifier with Lte2/5G rejection. 3 inputs: VHF (47-230 MHz) / UHF LTE2 (470-694 MHz) / UHF LTE (470-790 MHz). Independent amplification VHF-UHF. G: 30dB (VHF) / 36dB (UHF). Output level (DIN 45004B): 117dB $\mu$ V. DC pass in UHF inputs. A Class	6/24

DTT 5G + SAT SINGLE CABLE			
062008	CA 402 L2 SAT	Broadband amplifier with Lte2/5G rejection 3 inputs: VHF (47-230 MHz) / UHF LTE2 (470-694 MHz) / SAT (950-2200 MHz). G: 30dB (VHF) / 40dB (UHF) / 40dB (SAT). Output level (DIN 45004B): 116dB $\mu$ V (VHF) / 116dB $\mu$ V (UHF) / 119dB $\mu$ V (SAT). DC pass in UHF and SAT inputs. A Class	6/24
059001	AMCD N	DIN rail fixing accessory (for QuiCoax and amplifiers)	1/1000

## HIGH-POWER WIDE-BAND AMPLIFIERS 5G

DTT 5G			
062009	CA 403	Broadband amplifier 3 inputs: FM / BIII-DAB / UHF with selectable double filter 694-790MHz. G: 24dB (FM) / 33dB (BIII-DAB) / 40dB (UHF). Output level (DIN 45004B): 120dB $\mu$ V. With switchable 12Vdc power supply on UHF input. TEST: -30dB. A class	1
062010	CA 374	Broadband amplifier 4 inputs: FM / BIII-DAB / UHF1 / UHF2 with double selectable 694-790MHz filter. G: 24dB (FM) / 33dB (BIII-DAB) / 37dB (2 x UHF). Output level (DIN 45004B): 120dB $\mu$ V. With switchable 12Vdc power supply on UHF input. TEST: -30dB. A class	1

062012	CA 483 N	Broadband amplifier 3 inputs: FM / BIII-DAB / UHF (470-694MHz). G: 30dB (FM) / 35dB (BIII-DAB) / 48dB (UHF). Output level (DIN 45004B): 124dB $\mu$ V. With switchable 12/24Vdc power supply on UHF input. TEST: -30dB. A class. With 5G High rejection filter	1/20
062013	CA 444 N	Broadband amplifier 4 inputs: FM / BIII-DAB / UHF1 (470-694MHz) / UHF 2 (470-694MHz). G: 30dB (FM) / 35dB (BIII-DAB) / 44dB (2xUHF). Output level (DIN 45004B): 124dB $\mu$ V. With switchable 12/24Vdc power supply on UHF inputs. TEST: -30dB. A class. With 5G High rejection filter	1/20
059001	AMCD N	DIN rail fixing accessory (for QuiCoax and amplifiers)	1/1000

#### DTT 5G + SAT UP TO 30 WALL SOCKETS

062011	CA 374 SAT	Broadband amplifier 5 inputs: FM / BIII-DAB / UHF1 / UHF2 with selectable double filter 694-790MHz / SAT. G: 24dB (FM) / 33dB (BIII-DAB) / 37dB (2 x UHF) / 40dB (SAT). Output level (DIN 45004B): 120dB $\mu$ V. With switchable 12Vdc power supply on UHF input. TEST: -30dB. With switchable 12Vdc power supply on UHF input and 13Vdc LNB power supply on SAT input. A class	1/20
062014	CA 444 SAT N	Broadband amplifier 5 inputs: FM / BIII-DAB / UHF 1 (470-694MHz) / UHF 2 (470-694MHz) / SAT. G: 30dB (FM) / 35dB (BIII-DAB) / 44dB (2xUHF). Output level (DIN 45004B): 124dB $\mu$ V. With switchable 12/24Vdc power supply on UHF inputs and 13Vdc LNB power supply on SAT input. TEST: -30dB. A class. With 5G High rejection filter	1/20

#### SAT AMPLIFIERS WITH TER MIX

170006	MAD 382 L2	Micro amplifier with Lt $\epsilon$ 2/5G rejection. 2 inputs: TER LTE2 (47-694 MHz) / SAT (950-2200 MHz). G: -1dB (TER) / 31dB (950 MHz) / 38dB (2150 MHz). Output level (DIN 45004B -35dBc): 120dB $\mu$ V. 13Vdc for LNB feeding. A Class	10/60
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#### DIGITAL PROGRAMMABLE AMPLIFIERS

071011	EKSEL 432	Digital programmable amplifier with ultrasensitive filters 4 inputs (2 x UHF, 1 x FM, 1 x DAB / VHF-UHF selectable) 2 outputs (TER / TEST -30dB) Frequency conversion option. Automatic gain control. Manual programming and automatic	1/5
071012	EKSEL 432 ICT	Digital programmable digital amplifier with ultrasensitive filters 5 inputs (2 x UHF, 1 x FM, 1 x DAB / VHF-UHF selectable, 1 x SAT) SAT 119dB $\mu$ V output level (IMD-35dB) Manual programming and automatic	1/5
071013	EKSEL 632	Digital programmable digital amplifier with ultrasensitive filters 6 inputs (3 x UHF-VHF selectable, 1 x FM, 1 x DAB / VHF-UHF selectable, 1 x AUX) 2 outputs (TER / TEST -30dB) Gain> 55dB. Output level 122dB $\mu$ V (45004B) / 133dB $\mu$ V (IMD3-36dB). Manual programming and automatic	1/5
071014	FA EKSEL	Power supply for EKSEL family	1
071015	EKSEL COMPACT	Digital programmable amplifier with ultra-selective filters 4 inputs (1 x FM, 1 x VHF + DAB + UHF selectable), 2 x VHF / UHF selectable), 2 outputs (TER / TEST -30dB) 32 ultra-selective digital filters, Gain> 70dB autoreg. Output level 120dB $\mu$ V (45004B) / 131dB $\mu$ V (IMD3-36dB) Automatic gain control in real time	1/12
071016	EKSEL COMPACT ICT	Digital programmable amplifier panel with ultra-selective filters 5 inputs (1 x FM, 1 x VHF + DAB + UHF selectable, 2 x VHF / UHF selectable 1 x SAT). 3 outputs (TER / TER + SAT / TEST -30dB). Gain> 70dB autoreg. DTT output level 118dB $\mu$ V (45004B) / 129dB $\mu$ V (IMD3-36dB) SAT output level 119dB $\mu$ V (IMD3-35dB). Automatic gain control in real time.	1/12
071017	FA EKC	Remote power supply kit for EKSEL COMPACT series	1
059001	AMCD N	DIN rail fixing accessory (for QuiCoax and amplifiers)	1/1000



CA 483

WITH  
5G  
FILTER

CA 374 SAT

WITH  
5G  
FILTER

CA 444

WITH  
5G  
FILTER

MAD 382 L2



EKSEL 432



EKSEL COMPACT

PC  
SOFTWARE  
AVAILABLE

EKSEL COMPACT ICT

PC  
SOFTWARE  
AVAILABLE



AS UXX



MS QC 58



MS QC 520E



MS QC 528



MS QC 585

**SINGLE CHANNEL AMPLIFIERS**

**SERIE ASU\***

220016	AS FM	FM amplifier. 1 input/2 outputs. G: 20 dB. Output level: 90 dBµV. Working voltage: 24V	1
220010	AS DAB	DAB amplifier. 1 input, 2 outputs. G:45 dB. Output level: 120 dBµV. Working voltage: 24V	1
220001	AS UXX*	UHF single channel amplifier. 2 inputs / 2 outputs. G: 50 dB. Output level (DIN 45004B): 120 dBµV. Consumption: 100 mA. Working voltage: 24Vdc. Please indicate the channel	1
220018	AS FI	SAT amplifier (950-2150 MHz). G: 35dB. Output level (DIN45004B): 120dBµV. Consumption 100mA. 24Vdc power supply. LNB 12Vdc power supply	1
220004	PM	Mix-bridge with IEC quick connector	1
220014	FA 2412	Modular power supply 24V/1,2A	1
220008	CH 4	Wall-mount 4 modules	1
220013	CH 10	Wall-mount 10 modules	1
220012	IEC 75	75 Ohm load with IEC connector	1
220025	MAM	Assembly and set-up of single-channel headend	1

**ACTIVE FILTERS**

220021	FSS U XX*	UHF active filter. 2 inputs / 2 outputs. G:10 dB. Output level (DIN 45004B): 100 dBµV. Consumption: 100 mA. Working voltage: 24Vdc. Compatible with MZ6 IKUSI Series.	1
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\* Indicate the channel

**QuiCoax MULTISWITCHES 4 POLARITIES + TER STANDALONE**

090012	MS QC 58*	Multiswitch universal stand-alone/end-cascade. 5 inputs (4 SAT + 1 TER). 8 users outputs. Tap loss: SAT <3dB / TER 15dB. With return path on passive TER mode. EKOAX compatible.	1/10
090013	MS QC 512*	Multiswitch universal stand-alone/end-cascade. 5 inputs (4 SAT + 1 TER). 12 users outputs. Tap loss: SAT <3dB / TER 17dB. With return path on passive TER mode. EKOAX compatible.	1/10
090015	MS QC 516* <b>E</b>	Multiswitch universal stand-alone/end-cascade. 5 inputs (4 SAT + 1 TER). 16 users outputs. Tap loss: SAT <3dB / TER 19dB. With return path on passive TER mode. EKOAX compatible.	1/10
090029	MS QC 516E* <b>N</b>	Multiswitch universal stand-alone/end-cascade. 5 inputs (4 SAT + 1 TER). 16 users outputs. Tap loss: SAT <6dB / TER 21dB. With return path on passive TER mode. EKOAX compatible.	1/10
090016	MS QC 520* <b>E</b>	Multiswitch universal stand-alone/end-cascade. 5 inputs (4 SAT + 1 TER). 20 users outputs. Tap loss: SAT <3dB / TER 20dB. With return path on passive TER mode. EKOAX compatible.	1/10
090030	MS QC 520E* <b>N</b>	Multiswitch universal stand-alone/end-cascade. 5 inputs (4 SAT + 1 TER). 20 users outputs. Tap loss: SAT <6dB / TER 23dB. With return path on passive TER mode. EKOAX compatible.	1/10
090017	MS QC 524*	Multiswitch universal stand-alone/end-cascade. 5 inputs (4 SAT + 1 TER). 24 users outputs. Tap loss: SAT <3dB / TER 21dB. With return path on passive TER mode. EKOAX compatible.	1/10
090018	MS QC 528*	Multiswitch universal stand-alone/end-cascade. 5 inputs (4 SAT + 1 TER). 28 users outputs. Tap loss: SAT <3dB / TER 22dB. With return path on passive TER mode. EKOAX compatible.	1/10
071006	FA 1210	Power supply 12 Vdc / 1000 mA	1
071010	FA 2600P	Power supply 12Vdc / 2600mA	1

\* Power supply not included

**QuiCoax MULTISWITCHES 4 POLARITIES + TER CASCADABLE**

090011	MS QC 585*	Multiswitch universal stand-alone / cascade. 5 inputs (4 SAT + 1 TER). 8 users output. 5 line outputs. Insertion loss <3dB. Tap loss: SAT <3dB / TER 21dB. With return path on passive TER mode.	1/12
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\* Power supply not included



**QuiCoax MULTISWITCHES 4 POLARITIES + TER DCSS CASCADABLE**

090014	MS QC 515D*	Multiswitch universal stand-alone / cascade. 5 inputs (2 X wideband or 1 x Quattro LNB + 1 TER). 1 output with 16 dCSS user-bands. 5 line outputs. Insertion loss <3dB. With return path on passive TER mode.	1/12
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\* Power supply not included

**QuiCoax MULTISWITCHES 8 POLARITIES +TER STANDALONE**

090031	MS QC 98* <b>N</b>	Multiswitch universal estrella/final de cascada. 9 entradas (8 SAT + 1 TER). 8 salidas usuario. Pérdidas de derivación: SAT <3dB / TER (Pasivo) <16dB. Nivel de salida: SAT (DIN 45004B -35dBc) 100dBµV. Con línea de retorno pasiva. Compatible EKOAX	1/10
090032	MS QC 916* <b>N</b>	Multiswitch universal estrella/final de cascada. 9 entradas (8 SAT + 1 TER). 16 salidas usuario. Pérdidas de derivación: SAT <3dB / TER (Pasivo) <21dB. Nivel de salida: SAT (DIN 45004B -35dBc) 100dBµV. Con línea de retorno pasiva. Compatible EKOAX	1/10
071006	FA 1210	Power supply 12 Vdc / 1000 mA	1
071010	FA 2600P	Power supply 12Vdc / 2600mA	1

\* Power supply not included

**QuiCoax MULTISWITCHES 8 POLARITIES +TER CASCADABLE**

090033	MS QC 989* <b>N</b>	Multiswitch universal stand-alone / cascade. 9 inputs (8 SAT + 1 TER). 8 users output. 9 line outputs. Insertion loss <3dB. Tap loss: SAT <3dB / TER (Passive) 23dB. Output level: SAT (DIN 45004B -35dBc) 100dBµV. With return path on passive TER mode. EKOAX compatible.	1/10
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\* Power supply not included

**QuiCoax CASCADABLE AMPLIFIERS**

090034	AMP QC 55 <b>N</b> APRIL 2023	Multiswitch cascadable amplifier, 5 inputs/outputs.	1/10
090035	AMP QC 99 <b>N</b> APRIL 2023	Multiswitch cascadable amplifier, 9 inputs/outputs.	1/10

**ACCESSORIES**

163008	CQC 75A	75 Ohm isolated load for QUICOAX devices	25/1000
163004	AQC F	QUICOAX. Male adapter to F female	25/1000



MS QC 515D



MS QC 916



MS QC 989



AMP QC 55



- 01** Reduce to minimum installation time
- 02** No need of tools
- 03** Guarantees an excellent connected and minimizes the space
- 04** Eliminate the use of connectors and associated costs
- 05** QuiCoax, the new Standard of Connection



CQC 75A



AQC F

- ✓ High shielding quicoax zamak housing
- ✓ Low power consumption. External power supply only for Inb
- ✓ Power supply can be installed at any multiswitch of the cascade
- ✓ DC PASS on SAT trunk input/output
- ✓ Selectable DC PASS ON/OFF on terrestrial line for pre-amplifiers
- ✓ Very easy to install, few seconds needed
- ✓ Fast QuiCoax connection, no connectors needed
- ✓ **Latest generation QuiCoax system for the easiest connection**

F type connection conversion with **AQC-F** adapter



MI 3 ICT



ALS 24



AL 351 TS



AL 302 ICT L2



AA 20 L2



MAA 22



MAA 20 L2

**OUTDOOR MIXER**

131002	MI 3 ICT	Mix / demix TER / SAT for ICT installations. 3 inputs: TER (5-862 MHz) / 2 x SAT (950-2300 MHz). 2 outputs: TER + SAT 1 / TER + SAT 2. Insertion losses: 4dB (TER) / 2dB (SAT).	10/100
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**LINE AMPLIFIERS**

**DVB-T / CATV / EKOAX**

061007	MCAL 381 LR	Micro-broadband/ line amplifier 1 input with SAW filter (87 - 790MHz) and passive return path 5-65MHz. G: 32dB (47MHz) -38dB (790MHz). Output level: (DIN 45004B): 117dB $\mu$ V (VHF) - 114dB $\mu$ V (UHF). A Class. Compatible with EKOAX	10/60
102006	AC 118 R	Line amplifier with passive return path 5-65MHz. Direct frequency: 87-1000MHz. G: 38dB. Output level: (DIN 45004B) 118dB $\mu$ V. TEST: -20DB. Compatible with EKOAX	6/24

**SAT**

101001	ALS 24	SAT line amplifier. Frequency: 950-2400 MHz. G: 18 dB (950 MHz) - 25dB (2300 MHz). Output level (DIN 45004B -35dBc): 110 dBuV. A class	10/120
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**DVB-T + SAT**

102002	AL 351 TS	Line amplifier TER + SAT. 1 input (47-790/950-2150 MHz). G: 35 dB (TER) / 35 dB (SAT). 1 output. Output level (DIN 45004B): 114 dBuV (TER) / 119 dBuV (SAT). A Class	6/24
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**DVB-T + SAT / DOUBLE LINE**

102017	AL 302 ICT L2	Line amplifier TER + SAT (DOUBLE LINE). 2 inputs (47-694/950-2150 MHz). G: 35 dB (TER) / 40 dB (SAT). 2 outputs. Output level (DIN 45004B): 120 dBuV (TER) / 120 dBuV (SAT). TEST -30dB. A Class	1/20
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**INDOOR AMPLIFIERS**

**DTT 5G**

111006	AA 20 L2	Indoor amplifier 1 input LTE2 47-694 MHz / 2 output. G: 20dB. Ouput level (DIN 45004B): 2 x 104 dBuV	10/60
111007	AA 412 L2	Indoor amplifier . 1 input (47-694MHz). 4 outputs. G: 4 x 12dB. Output level (DIN 45004B): 4 x 100dB $\mu$ V	10/60

**DTT + SAT**

111005	AAS 20	Indoor amplifier TER+SAT. 1 input (47-2200MHz). 1 output. G: 11-22dB (Fix-tilt). Output level (DIN 45004B): 110dB $\mu$ V. It allows remote power and DC pass for LNB	10/60
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**MICRO INDOOR AMPLIFIERS**

111010	MAA 20 L2	Micro indoor amplifier 1 input LTE 47-694 MHz / 2 outputs. G: 22dB / 18dB. Ouput level (DIN 45004B): 106/102 dBuV. Reg in 5dB steps. TV socket pluggable.	10/60
111009	MAA 22	Micro indoor amplifier with return path. 1 input (5-65/88-1000 MHz) / 1 output. G: 12-17-22dB. Ouput level (DIN 45004B): 110 dBuV. Compatible with EKOAX	10/60

## QuiCoax MICRO INDOOR AMPLIFIERS

111011	AA QC 211	Micro indoor amplifier. 1 input (47-694 MHz) / 1 output. G: 21dB. Ouput level (DIN 45004B): 114 dBuV.	10/60
111012	AA QC 182	Micro indoor amplifier. 1 input (47-694 MHz) / 2 output. G: 18dB. Ouput level (DIN 45004B): 2x110 dBuV.	10/60
163004	AQC F	QUICOAX. Male adapter to F female	25/1000
059001	AMCD 	DIN rail fixing accessory (for QuiCoax and amplifiers)	1/1000



- ✓ Ultra compact size
- ✓ Fits on 80x80 mm junction boxes
- ✓ Very easy to install, few seconds needed
- ✓ Fast quicoax connection, no connectors needed
- ✓ High shielding QuiCoax zamak housing
- ✓ Working status LED
- ✓ High performance switched power supply
- ✓ High output level avoiding intermodulation problems when using strong and weak signals
- ✓ **Latest generation QuiCoax system for the easiest connection**



AA QC 211



F type connection conversion with **AQC-F** adapter

## QuiCoax SPLITTERS

141009	RQC 2M	QUICOAX. 2 outputs A class Mini splitter. Passband: 5-2400 MHz. Insertion loss: 3,8dB (862 MHz) / 4,9dB (2300 MHz). All ports DC pass. Class A+10 dB	20/120
141010	RQC 2	QUICOAX. 2 outputs A class splitter. Passband: 5-2400 MHz. Insertion loss: 3,8dB (862 MHz) / 4,9dB (2300 MHz). All ports DC pass. Class A+10 dB	20/120
141011	RQC 3	QUICOAX. 3 outputs A class splitter. Passband: 5-2400 MHz. Insertion loss: 7dB (862 MHz) / 9,5dB (2300 MHz). All ports DC pass. Class A+10 dB	20/120
141016	RQC 4	QUICOAX. 4 outputs A class splitter. Passband: 5-2400 MHz. Insertion loss: 8,1dB (862 MHz) / 10dB (2300 MHz). All ports DC pass. Class A+10 dB	20/120
141017	RQC 6	QUICOAX. 6 outputs A class splitter. Passband: 5-2400 MHz. Insertion loss: 10dB (862 MHz) / 12dB (2300 MHz). All ports DC pass. Class A+10 dB	10/60
141018	RQC 8	QUICOAX. 8 outputs A class splitter. Passband: 5-2400 MHz. Insertion loss: 12dB (862 MHz) / 14dB (2300 MHz). All ports DC pass. Class A+10 dB	10/60
163005	PAU EXT	Connector with terminal load 75 Ohm. It allows the conversion of RQC 2, 4, 6 and 8 splitters in PAU (Spanish ICT regulation)	25



RQC 2M



RQC 3



RQC 4



RQC 6



DQC 112

## QuiCoax TAPS

142026	DQC 112	1 output A class Mini tap. Passband: 5-2400 MHz. Tap loss: 12dB. Insertion loss: 1,9dB (862 MHz) / 3,2dB (2300 MHz). DC pass in trunk line. Class A + 10 dB	20/120
142027	DQC 116	1 output A class Mini tap. Passband: 5-2400 MHz. Tap loss: 16dB. Insertion loss: 1,5dB (862 MHz) / 2,4 dB (2300 MHz). DC pass in trunk line. Class A + 10 dB	20/120
142028	DQC 120	1 output A class Mini tap. Passband: 5-2400 MHz. Tap loss: 20dB. Insertion loss: 1 dB (862 MHz) / 2,2 dB (2300 MHz). DC pass in trunk line. Class A + 10 dB	20/120
142029	DQC 124	1 output A class Mini tap. Passband: 5-2400 MHz. Tap loss: 24dB. Insertion loss: 0,8 dB (862 MHz) / 2 dB (2300 MHz). DC pass in trunk line. Class A + 10 dB	20/120



DQC 212



DQC 412



DQC 616



DQC 816



PC QC



BL QC



RQC 6 on DIN rail with AMCD

141012	DQC 212	QUICOAX. 2 outputs A class tap. Passband: 5-2400 MHz. Tap loss: 12dB. Insertion loss: 2,2dB (862 MHz) / 3,5dB (2300 MHz). DC pass in trunk line.	20/120
141013	DQC 216	QUICOAX. 2 outputs A class tap. Passband: 5-2400 MHz. Tap loss: 16dB. Insertion loss: 1,9dB (862 MHz) / 2,9dB (2300 MHz). DC pass in trunk line.	20/120
141014	DQC 220	QUICOAX. 2 outputs A class tap. Passband: 5-2400 MHz. Tap loss: 20dB. Insertion loss: 1,3dB (862 MHz) / 2,6dB (2300 MHz). DC pass in trunk line.	20/120
141015	DQC 224	QUICOAX. 2 outputs A class tap. Passband: 5-2400 MHz. Tap loss: 24dB. Insertion loss: 1,1dB (862 MHz) / 2,3dB (2300 MHz). DC pass in trunk line.	20/120
142016	DQC 412	QUICOAX. 4 outputs A class tap. Passband: 5-2400 MHz. Tap loss: 12dB. Insertion loss: 3,5dB (862 MHz) / 4,5dB (2300 MHz). DC pass in trunk line.	20/120
142017	DQC 416	QUICOAX. 4 outputs A class tap. Passband: 5-2400 MHz. Tap loss: 16dB. Insertion loss: 2,4dB (862 MHz) / 3,9dB (2300 MHz). DC pass in trunk line.	20/120
142018	DQC 420	QUICOAX. 4 outputs A class tap. Passband: 5-2400 MHz. Tap loss: 20dB. Insertion loss: 1,6dB (862 MHz) / 2,3dB (2300 MHz). DC pass in trunk line.	20/120
142019	DQC 424	QUICOAX. 4 outputs A class tap. Passband: 5-2400 MHz. Tap loss: 24dB. Insertion loss: 1,3dB (862 MHz) / 2dB (2300 MHz). DC pass in trunk line.	20/120
142020	DQC 616	QUICOAX. 6 outputs A class tap. Passband: 5-2400 MHz. Tap loss: 16dB. Insertion loss: 4dB (862 MHz) / 4,4dB (2300 MHz). DC pass in trunk line.	10/60
142021	DQC 620	QUICOAX. 6 outputs A class tap. Passband: 5-2400 MHz. Tap loss: 20dB. Insertion loss: 2,7dB (862 MHz) / 3,9dB (2300 MHz). DC pass in trunk line.	10/60
142022	DQC 624	QUICOAX. 6 outputs A class tap. Passband: 5-2400 MHz. Tap loss: 24dB. Insertion loss: 1,8dB (862 MHz) / 2,8dB (2300 MHz). DC pass in trunk line.	10/60
142023	DQC 816	QUICOAX. 8 outputs A class tap. Passband: 5-2400 MHz. Tap loss: 16dB. Insertion loss: 4dB (862 MHz) / 4,4dB (2300 MHz). DC pass in trunk line.	10/60
142024	DQC 820	QUICOAX. 8 outputs A class tap. Passband: 5-2400 MHz. Tap loss: 20dB. Insertion loss: 2,7dB (862 MHz) / 3,9dB (2300 MHz). DC pass in trunk line.	10/60
142025	DQC 824	QUICOAX. 8 outputs A class tap. Passband: 5-2400 MHz. Tap loss: 24dB. Insertion loss: 1,8dB (862 MHz) / 2,8dB (2300 MHz). DC pass in trunk line.	10/60

**QuiCoax MIX-DEMIX TV-SAT**

131005	MQC TS	QUICOAX. Mixer/ demixer 2 inputs: TER LTE (5-790 MHz) / SAT (950-2300 MHz). Insertion loss: 1dB (TER) / 1,5dB (SAT). DC pass in SAT input.	10/120
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**QuiCoax ACCESSORIES**

163003	CQC 75	75 Ohm load for QUICOAX devices	25/1000
163008	CQC 75A	75 Ohm isolated load for QUICOAX devices	25/1000
163004	AQC F	QUICOAX. Male adapter to F female	25/1000
167004	PC QC	Stripping tool for QUICOAX	1/50
163006	BL QC	Blocker/stopper for high traction requirements	100/1000
059001	AMCD	DIN rail fixing accessory (for QuiCoax and amplifiers)	1/1000



**QuiCoax WALL-SOCKETS**

145103	TF QC1G	Wall-socket, tap derivation with bracker, DATA-TV. Frequency: DATA (5-65 MHz) / TV (88-1000 MHz). Tap loss: <1dB (DATA) / <1,5dB (TV). Cable connection by QuiCoax insertion. A Class"	10/100
145102	TF QC2W	Wall-socket for end of derivation without brackets. TV-RD / SAT with 2 IEC connectors. Frequency: TV 5-694MHz / SAT with DC pass SAT. Tap loss: <1dB (TVRD) / <1,5dB (SAT). Cable connection by QuiCoax insertion. A Class	10/100
145100	TF QC2	Wall-socket for end of derivation with brackets. TV-RD / SAT with 2 IEC connectors. Frequency: TV 5-694MHz / SAT with DC pass SAT. Tap loss: <1dB (TVRD) / <1,5dB (SAT). Cable connection by QuiCoax insertion. A Class	10/100
145101	TF QC3	Wall-socket for end of derivation with brackets and 3 connectors (2xIEC and 1xF). TV / RD / SAT. Frequency: TV 5-65 / 120-790MHz / RD 88-108MHz / SAT 950-2400MHz with DC pass SAT. Tap loss: <1dB (TV) / <4dB RD / <1,5dB (SAT). Cable connection by QuiCoax insertion. A Class	10/100



TF QC2 · TF QC2W



CFQC

**QuiCoax CONNECTOR**

146001	CFQC	QUICOAX F-connector. A Class+10dB. BL QC included.	25/500
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Application of the BL QC blocker in the QuiCoax connector

**THE FASTER AND RELIABLE CONNECTION**  
Push, insert ... and you're done



WALL-SOCKETS TFQC



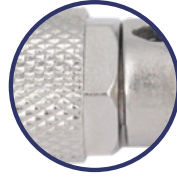
QuiCoax button detail with inspection window



CONNECTOR CFQC



CFQC knurled head for better grip



Integrated nut for tool tightening



RI 2

**SPLITTERS**

**1000 MHz**

141007	RT 12	2 outputs A Class splitter. Frequency range: 5-1000 MHz. Insertion loss: 3,8dB (862 MHz) / 4dB (1000 MHz). All ports DC pass.	10/120
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RF 12 / RT 12

**5-2400 MHz**

141006	RI 2	2 outputs A class splitter. Frequency range: 5-2400 MHz. Insertion loss: 4dB (862 MHz) / 5,5dB (2300 MHz). All ports DC pass. All connectos in one side.	10/120
141001	RF 12	2 outputs A class splitter. Frequency range: 5-2400 MHz. Insertion loss: 4dB (862 MHz) / 5,5dB (2300 MHz). All ports DC pass.	10/120
141002	RF 13	3 outputs A class splitter. Frequency range: 5-2400 MHz. Insertion loss: 7dB (862 MHz) / 9,5dB (2300 MHz). All ports DC pass.	10/120
141003	RF 14	4 outputs A class splitter. Frequency range: 5-2400 MHz. Insertion loss: 8,1dB (862 MHz) / 10dB (2300 MHz). All ports DC pass.	10/120
141004	RF 16	6 outputs A class splitter. Frequency range: 5-2400 MHz. Insertion loss: 11dB (862 MHz) / 14,5dB (2300 MHz). All ports DC pass.	5/60
141005	RF 18	8 outputs A class splitter. Frequency range: 5-2400 MHz. Insertion loss: 12dB (862 MHz) / 15,5dB (2300 MHz). All ports DC pass.	5/60



RF 13



RF 16



DF 212



DF 412



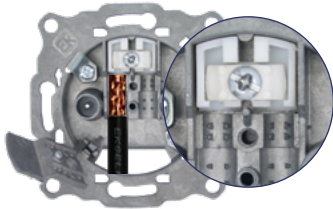
DF 816



PAU 4



PAU 8



TF D



TF DW

**CLASS A TAPS**

142001	DF 212	2 outputs A class tap. Frequency range: 5-2400 MHz. Tap loss: 12dB. Insertion loss: 2,8dB (862 MHz) / 3,5dB (2300 MHz). DC pass in trunk line.	10/120
142002	DF 216	2 outputs A class tap. Frequency range: 5-2400 MHz. Tap loss: 16dB. Insertion loss: 1,9dB (862 MHz) / 2,9dB (2300 MHz). DC pass in trunk line.	10/120
142003	DF 220	2 outputs A class tap. Frequency range: 5-2400 MHz. Tap loss: 20dB. Insertion loss: 1,3dB (862 MHz) / 2,6dB (2300 MHz). DC pass in trunk line.	10/120
142004	DF 224	2 outputs A class tap. Frequency range: 5-2400 MHz. Tap loss: 24dB. Insertion loss: 1,1dB (862 MHz) / 2,3dB (2300 MHz). DC pass in trunk line.	10/120
142005	DF 412	4 outputs A class tap. Frequency range: 5-2400 MHz. Tap loss: 12dB. Insertion loss: 3,5dB (862 MHz) / 4,5dB (2300 MHz). DC pass in trunk line.	10/120
142006	DF 416	4 outputs A class tap. Frequency range: 5-2400 MHz. Tap loss: 16dB. Insertion loss: 2,4dB (862 MHz) / 3,9dB (2300 MHz). DC pass in trunk line.	10/120
142007	DF 420	4 outputs A class tap. Frequency range: 5-2400 MHz. Tap loss: 20dB. Insertion loss: 1,6dB (862 MHz) / 2,3dB (2300 MHz). DC pass in trunk line.	10/120
142008	DF 424	4 outputs A class tap. Frequency range: 5-2400 MHz. Tap loss: 24dB. Insertion loss: 1,3dB (862 MHz) / 2dB (2300 MHz). DC pass in trunk line.	10/120
142009	DF 816	8 outputs A class tap. Frequency range: 5-2400 MHz. Tap loss: 16dB. Insertion loss: 3,8dB (862 MHz) / 4,9dB (2300 MHz). DC pass in trunk line.	5/60
142010	DF 820	8 outputs A class tap. Frequency range: 5-2400 MHz. Tap loss: 20dB. Insertion loss: 1,9dB (862 MHz) / 3,2dB (2300 MHz). DC pass in trunk line.	5/60
142011	DF 824	8 outputs A class tap. Frequency range: 5-2400 MHz. Tap loss: 24dB. Insertion loss: 1,4dB (862 MHz) / 2,1dB (2300 MHz). DC pass in trunk line.	5/60

**PAUs CLASS A**

143001	PAU 4	PAU-splitter 4-way. Frequency range: 5-2400 MHz. Insertions loss: 9,2dB (862 MHz) / 11dB (2300 MHz). With DC pass. A Class	10/120
143003	PAU 6	PAU-splitter 6-way. Frequency range: 5-2400 MHz. Insertions loss: 10,5dB (862 MHz) / 13,9dB (2300 MHz). With DC pass. A Class	5/60
143002	PAU 8	PAU-splitter 8-way. Frequency range: 5-2300 MHz. Insertion loss: 12,5dB (862 MHz) / 16,5dB (2300 MHz). With DC pass. A Class.	5/60

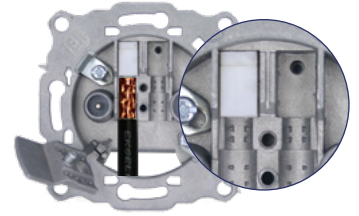
**WALL-SOCKETS**

**FINAL OF DERIVATION WITH TV-SAT FILTER**

145001	TF D	Wall-socket for end of derivation with brakets. TV-RD / SAT with 2 IEC connectors. Frequency: TV-RD (5-862 MHz) / SAT (950-2400 MHz) with SAT current pass. Tap loss: <1dB (TV-RD) / <1.5dB (SAT). Cable fixing by screw on plastic	10/100
145002	TF DW	Wall-socket for end of derivation without brakets. TV-RD / SAT with 2 IEC connectors. Frequency: TV-RD (5-862 MHz) / SAT (950-2400 MHz) with SAT current pass. Tap loss: <1dB (TV-RD) / <1.5dB (SAT). Cable fixing by screw on plastic	10/100

**FINAL OF DERIVATION WITH TV-SAT FILTER AND QUICK INSERTION**

145006	TF DI	Wall-socket for end of derivation with brackets. TV-RD / SAT with 2 IEC connectors. Frequency: TV-RD (5-862 MHz) / SAT (950-2400 MHz) with SAT current pass. Tap loss: <1dB (TV-RD) / <1.5dB (SAT). Cable fixing by quick insertion	10/100
145007	TF DIW	Wall-socket for end of derivation without brackets. TV-RD / SAT with 2 IEC connectors. Frequency: TV-RD (5-862 MHz) / SAT (950-2400 MHz) with SAT current pass. Tap loss: <1dB (TV-RD) / <1.5dB (SAT). Cable fixing by quick insertion	10/100



TF DI

**CASCADABLE LOW LOSSES WITH TV-SAT FILTER**

145008	TCI-5	Intermediate wall-socket base with claws, TV-RD / SAT with 2 IEC connectors. Frequency: TV-RD (5-862 MHz) / SAT (950-2400 MHz) with SAT current pass. Branch attenuation: <5dB (TV-RD) / <6dB (SAT). Passage losses <5,5dB. Cable fixing by quick insertion	10/100
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TU F4

**UNIVERSAL CASCADEABLES TV-SAT / TV-SAT**

145003	TU F4	Wall-socket for cascade termination with brackets, with 2 universal IEC connectors TV-RD-SAT. Frequency: 5-2400 MHz. Tap loss: <3dB (TV-RD) / <4dB (SAT). Cable fixing by screw on plastic	10/100
145004	TU C10	Wall-socket intermediate for cascade installation with brackets, with 2 universal IEC connectors TV-RD-SAT. Frequency: 5-2400 MHz. Derivation attenuation: 10dB (TV-RD) / 12dB (SAT). Step losses: <2,9dB (TV-RD) / <3,2dB (SAT). Cable fixing by screw on plastic	10/100
145005	TU C15	Wall-socket intermediate for cascade installation with brackets, with 2 universal IEC connectors TV-RD-SAT. Frequency: 5-2400 MHz. Derivation attenuation: 13dB (TV-RD) / 15dB (SAT). Step losses: <2,9dB (TV-RD) / <3,2dB (SAT). Cable fixing by screw on plastic	10/100



MTB



SSB

**OUTLETS ACCESSORIES**

144003	MTB	Frame for TV socket with 2 connectors. White color	20/200
144004	SSB	Supplement for surface TV socket mounting. White color	10/100
144008	MTB 3	Frame for TV socket with 3 connectors. White color	20/200

**EK ROLLER COAXIAL CABLES**

**EK ROLLER**

151059	EK ROLLER <b>N</b>	Dispositivo para desenrollado / enrollado de cables coaxiales compatibles con Ek roller	1
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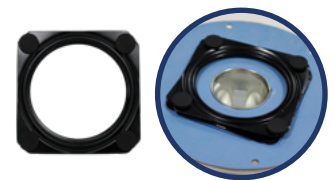


Access the EK ROLLER demo video

**EK ROLLER** 

**EKRoller** is a new concept of cable dispenser patented by EK that presents unique advantages in the market. Its low weight and size allows it to be stored in the toolbox and it makes it very easy to use in any situation and environment. Thanks to its robust steel structure, supports both light reels of less than 1kg and reels of more than 30kg

- ✓ The quick fixing system to the reel allows an easy and toolless swap in just two seconds
- ✓ Once fixed, it is automatically integrated into the exclusive EK reel with handle, which makes it even easier to use and portable
- ✓ EK Roller allows not only the unwinding of cable by simply pulling it, but also makes it easy the tedious task of winding the excess cable at the end of the installation
- ✓ The EK reels compatible with EK Roller also consist of an innovative system that prevents the excess cable from becoming entangled and guarantees a fluid unwinding of the same



EK ROLLER



EK ROLLER COIL UNWINDING

**Ek ROLLER**



**CLASS A** CPR Eca

**CCR 596-150**

**Ek ROLLER**



**CLASS A** CPR Eca

**CCR 128**

**Ek ROLLER**



**CLASS A** CPR Fca/PE

**CCR 128 N**

**Ek ROLLER**



**CLASS A** CPR Eca

**CCR 3S**

**Ek ROLLER**



**CLASS A** CPR Fca/PE

**CCR 11T**

**Ek ROLLER**



**CLASS A** CPR Dca

**CCR 96D**

**CLASS A** CPR Dca

**CCR 96D-250**



**EK ROLLER REEL HANDLE**

**CCS CONDUCTOR - AL FOIL AND BRAID FOR SMATV**

151048	CCR 596-150 <b>N</b> APRIL 2023	Coaxial cable. 5 mm diameter. Inner conductor CCS. 96 wires. Shielding 90dB/A class. Attenuation: 25,2dB (862 MHz) / 39,9dB (2150 MHz). PVC white jacket. 150 m carton spool to Ek ROLLER	4/144
151037	CCR 128 <b>N</b>	Coaxial cable. 6,9 mm diameter. Inner conductor CCS. 128 wires. Shielding 90dB/ A class. Attenuation: 17,5dB (862 MHz) / 28,5dB (2150 MHz). PVC white jacket. 100 m carton spool Ek ROLLER	4/144
151038	CCR 128-250 <b>N</b>	Coaxial cable. 6,9 mm diameter. Inner conductor CCS. 128 wires. Shielding 90dB/ A class. Attenuation: 17,5dB (862 MHz) / 28,5dB (2150 MHz). PVC white jacket. Wooden coil 250 m for Ek ROLLER	1/36
151052	CCR 128 N <b>N</b> APRIL 2023	Coaxial cable. 6,8 mm diameter. Inner conductor CCS. 128 wires. Shielding 90dB/ A class. Attenuation: 17,5dB (862 MHz) / 28,5dB (2150 MHz). PE black jacket. 100 m carton spool Ek ROLLER	4/144

**02 TRI-SHIELD / CCS CONDUCTOR - AL FOIL AND BRAID FOR CATV**

151053	CCR 3S <b>N</b> APRIL 2023	Trishield coaxial cable. 6,9 mm diameter. Inner conductor CCS. 128 wires. Shielding 110dB/ A+ class. Attenuation: 17,5dB (862 MHz) / 28,5dB (2150 MHz). PVC white jacket. Wooden coil 250 m for Ek ROLLER	1/36
151054	CCR 11T <b>N</b> APRIL 2023	Coaxial cable. 10,3mm diameter trishield. Inner conductor CCS. 128 wires. Shielding 110dB/A+ class. Attenuation: 11,9dB (862 MHz) / 19,8dB (2150 MHz). PE black jacket. Wooden coil 300 m for Ek ROLLER	1/24

**CU CONDUCTOR - CCA FOIL AND BRAID / CPR DCA FOR SMATV**

151049	CCR 596 CU-150 <b>N</b>	Coaxial cable 5 mm diameter. Inner conductor CU 0,8 mm. 96 wires AL braid. 90 dB / class A shielding. Attenuation: 25,2 dB (862 MHz) / 39,9 dB (2150 MHz). Fire retardant white PVC. 150 m cardboard reel for EK ROLLER. CPR Dca Class	4/144
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**CU CONDUCTOR - CU FOIL AND CCA BRAID / CPR DCA FOR SMATV**

151039	CCR 96D <b>N</b>	Coaxial cable. 6,8 mm diameter. Inner conductor Cu. 96 wires. Shielding 85dB/A class. Attenuation: 17,9dB (862 MHz) / 29,6dB (2150 MHz). LSZH white flame retardant jacket. CPR Dca s2 d2 a2. 150 m carton spool for EK ROLLER	4/144
151040	CCR 96D-250 <b>N</b>	Coaxial cable. 6,8 mm diameter. Inner conductor Cu. 96 wires. Shielding 85dB/A class. Attenuation: 17,9dB (862 MHz) / 29,6dB (2150 MHz). LSZH white flame retardant jacket. CPR Dca s2 d2 a2. Wooden coil 250 m for Ek ROLLER	1/36
151041	CCR 96N <b>N</b>	Coaxial cable. 6,8 mm diameter. Inner conductor Cu. 96 wires. Shielding 85dB/A class. Attenuation: 17,9dB (862 MHz) / 29,6dB (2150 MHz). Black PE Jacket. 100 m carton spool for EK ROLLER	4/144
151057	CCR 96N-250 <b>N</b>	Coaxial cable. 6,8 mm diameter. Inner conductor Cu. 96 wires. Shielding 85dB/A class. Attenuation: 17,9dB (862 MHz) / 29,6dB (2150 MHz). Black PE Jacket. Wooden coil 250 m for Ek ROLLER	1/36
151042	CCR 96+D <b>N</b>	Coaxial cable. 6,8 mm diameter. Inner conductor Cu 1,13mm. 96 wires. Shielding 85dB/A class. Attenuation: 17,4dB (862MHz) / 28,4dB (2150MHz). LSZH white jacket. 100 m cardboard reel for EK ROLLER. CPR Dca Class	4/144
151044	CCR 96+D-250 <b>N</b>	Coaxial cable. 6,8 mm diameter. Inner conductor Cu 1,13mm. 96 wires. Shielding 85dB/A class. Attenuation: 17,4dB (862MHz) / 28,4dB (2150MHz). LSZH white jacket. Wooden drum 250 m for EK ROLLER. CPR Dca Class	1/36



151043	CCR 96G+D <b>N</b>	Coaxial cable with a diameter of 6.8 mm. Central conductor Cu 1.13mm. 96 threads. Screening 85dB / class A. Polyester copper foil. Attenuation: 17.3dB (862 MHz) / 28.3dB (2150 MHz). LSZH gray CPR Dca s2 d2 a2 tire. 100 m carton spool for EK ROLLER	4/144
151045	CCR 96G+D-250 <b>N</b>	Coaxial cable with a diameter of 6.8 mm. Central conductor Cu 1.13mm. 96 threads. Screening 85dB / class A. Polyester copper foil. Attenuation: 17.3dB (862 MHz) / 28.3dB (2150 MHz). LSZH gray CPR Dca s2 d2 a2 tire. Wooden coil 250 m for Ek ROLLER	1/36
151046	CCR 96N+ <b>N</b>	6.8mm diameter coaxial cable. 96 threads. 1.13mm CU driver. Shielding 85dB / class A. Attenuation: 17.4dB (862MHz) / 28.4dB (2150MHz). Black PE cover. 100 m carton spool for EK ROLLER	4/144
151058	CCR 96N+ 250 <b>N</b> APRIL 2023	Coaxial cable. 6,8 mm diameter. Inner conductor Cu. 96 wires. Shielding 85dB/A class. Attenuation: 17,9dB (862 MHz) / 29,6dB (2150 MHz). Black PE Jacket. Wooden coil 250 m for Ek ROLLER	1/36
151055	CCR11 CU <b>N</b>	10.3mm diameter coaxial cable. 128 threads Driver CU 1,63mm. Screening 90dB / class A. Copper polyester sheet. Attenuation: 11.9dB (862MHz) / 19.8dB (2150MHz). Black PE cover. Wooden coil 300 m for Ek ROLLER	1/24
151056	CCR 11 CU D <b>N</b>	10.3mm diameter coaxial cable. 128 wires. CU 1.63mm driver. 90dB / class A shielding. Copper polyester foil. Attenuation: 11.9dB (862MHz) / 19.8dB (2150MHz). LSZH white CPR Dca s2 d2 a2. Wooden coil 300 m for Ek ROLLER	1/24

#### CCS CONDUCTOR - AL BONDED FOIL AND AL BRAID FOR SMATV

151051	CCR 112P-D-250 <b>N</b> APRIL 2023	Coaxial cable. 6,7 mm diameter. Inner conductor CCS. 112 wires. Shielding 90dB/A class. Attenuation: 17,9dB (862 MHz) / 29,6dB (2150 MHz). Foil attached over dielectric. PVC flame retardant white jacket. Wooden coil 250 m for Ek ROLLER. CPR Dca Class	1/36
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#### COAXIAL CABLES

#### CCS INNER CONDUCTOR - AL FOIL AND BRAID FOR SMATV

151006	CC 112 <b>E</b>	Coaxial cable. 6,7 mm diameter. Inner conductor CCS. 112 wires. Shielding 90dB/A class. Attenuation: 17,9dB (862 MHz) / 29,6dB (2150 MHz). PVC white jacket. 100 m carton spool.	4/144
151036	CC128/25 <b>N</b>	Coaxial cable. 6,8 mm diameter. Inner conducto CCS. 128 wires. Shielding 90dB/ A class. Attenuation: 17,5dB (862 MHz) / 28,5dB (2150 MHz). PVC white jacket. Wooden coil 250 m for Ek ROLLER	16
151002	CC 128 <b>E</b>	Coaxial cable. 6,9 mm diameter. Inner conducto CCS. 128 wires. Shielding 90dB/ A class. Attenuation: 17,5dB (862 MHz) / 28,5dB (2150 MHz). PVC white jacket. 100 m carton spool.	4/144
151003	CC 128 N <b>E</b>	Coaxial cable. 6,9 mm diameter. Inner conductor CCS. 128 wires. Shielding 90dB/A class. Attenuation: 17,5dB (862 MHz) / 28,5dB (2150 MHz). PE black jacket. 100 m carton spool.	4/144

#### TRI-SHIELD / CCS CONDUCTOR - AL FOIL AND BRAID FOR CATV

151004	CC 3S <b>E</b>	Trishield coaxial cable. 6,9 mm diameter. Inner conductor CCS. 128 wires. Shielding 110dB/ A+ class. Attenuation: 17,5dB (862 MHz) / 28,5dB (2150 MHz). PVC flame retardant white jacket. CPR Eca Class. 250 m pull-box.	1/36
151015	CC 11T <b>E</b>	Trishield Coaxial cable. 10,3 mm diameter. Inner conductor 1,63 CCS. 128 wires. Shielding 110dB/A class. Attenuation: 11,9dB (862 MHz) / 19,8 dB (2150 MHz). PE black jacket. 300 m wooden drum.	1/12

#### Ek ROLLER



CLASS A CPR Dca

CCR 96G+D

CLASS A CPR Dca

CCR 96G+D 250

#### Ek ROLLER



CLASS A CPR Dca

CCR 96N+

CLASS A CPR Dca

CCR 96N+ 250

#### Ek ROLLER



CLASS A CPR Dca

CCR 11 CU

CLASS A CPR Dca

CCR 11 CUD



Ek ROLLER 100m reel



Ek ROLLER 250m wooden drum



**CLASS A** CPR Dca

**CC 596 CU**



**CLASS A** CPR Dca

**CC 96**

**CLASS A** CPR Dca

**CC 96D**

**CLASS A** CPR Dca

**CC 96+D**



**CLASS A** CPR Dca

**CC 96G+D**

**CLASS A** CPR Dca

**CC 96G+D 250**



**CLASS A** CPR Fca/PE

**CC 96+ N**



**CLASS A** CPR Fca/PE

**CC 11 CU**

**CLASS A** CPR Fca/PE

**CC 11 CUD**

#### CU-SHEET AND AL MESH CONDUCTOR FOR SMATV

151019	CC 596 CU <b>E</b>	Coaxial cable 5 mm diameter. CU inner conductor. 96 wires AL braid. 90 dB / class A shielding. Attenuation: 25.2 dB (862 MHz) / 39.9 dB (2150 MHz). Fire retardant white PVC. 100 m cardboard reel.CPR Eca Class	4/144
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#### CU INNER CONDUCTOR - CU FOIL - PE AND CCA BRAID

151001	CC 96 <b>E</b>	Coaxial cable. 6,8 mm diameter. Inner conductor Cu. 96 wires. Shielding 85dB/A class. Attenuation: 17,9dB (862 MHz) / 29,6dB (2150 MHz). PVC white flame retardant jacket. 100 m carton spool. CPR Eca Class	4/144
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#### CU INNER CONDUCTOR - CU FOIL - PE AND CCA BRAID / CPR Dca

151025	CC96D <b>E</b>	Coaxial cable. 6,8 mm diameter. Inner conductor Cu. 96 wires. Shielding 85dB/A class. Attenuation: 17,9dB (862 MHz) / 29,6dB (2150 MHz). PVC white flame retardant jacket. 100 m carton spool. CPR Dca Class	4/144
151016	CC 96 N <b>E</b>	Coaxial cable. 6,8 mm diameter. Inner conductor Cu. 96 wires. Shielding 85dB/A class. Attenuation: 17,9dB (862 MHz) / 29,6dB (2150 MHz). PE black jacket. 100 m carton spool.	4/144
151026	CC 96+D <b>E</b>	Coaxial cable. 6,8 mm diameter. Inner conductor Cu 1,13mm. 96 wires. Shielding 85dB/A class. Attenuation: 17,9dB (862 MHz) / 29,6dB (2150 MHz). LSZH jacket. 100 m carton spool. CPR Dca Class	4/144
151032	CC 96G+D <b>E</b>	Coaxial cable. 6,8 mm diameter. Inner conductor Cu 1,13mm. 96 wires. Shielding 85dB/A class. Attenuation: 17,9dB (862 MHz) / 29,6dB (2150 MHz). LSZH jacket grey colot. 100 m carton spool. CPR Dca Class	4/144
151033	CC 96G+D/250 <b>E</b>	Coaxial cable. 6,8 mm diameter. Inner conductor Cu 1,13mm. 96 wires. Shielding 85dB/A class. Attenuation: 17,9dB (862 MHz) / 29,6dB (2150 MHz). LSZH jacket. PULL-BOX 250m. CPR Dca Class	1/36
151021	CC 96+ N <b>E</b>	Coaxial cable. 6,8 mm diameter. Inner conductor Cu 1,13mm. 96 wires. Shielding 85dB/A class. Attenuation: 17,9dB (862 MHz) / 29,6dB (2150 MHz). PE black jacket. 100 m carton spool.	4/144
151020	CC 11 CU <b>E</b>	10.3mm diameter coaxial cable. 128 threads Driver CU 1,63mm. Screening 90dB / class A. Copper polyester sheet. Attenuation: 11.9dB (862MHz) / 19.8dB (2150MHz). Black PE jacket. Wood coil 300 m	1/12
151031	CC 11 CU D <b>E</b>	10.3mm diameter coaxial cable. 128 threads Driver CU 1,63mm. Screening 90dB / class A. Copper polyester sheet. Attenuation: 11.9dB (862MHz) / 19.8dB (2150MHz). White LSZH jacket. Wood coil 300 m. CPR Dca	1/12

#### CCS CONDUCTOR - AL BONDED FOIL AND AL BRAID FOR SMATV

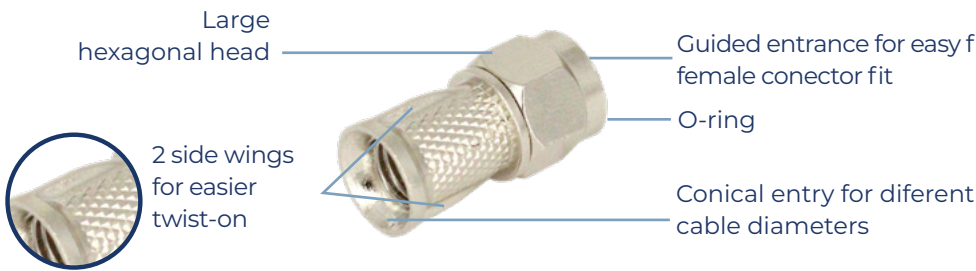
151028	CC 112P-D <b>E</b>	Coaxial cable. 6,7 mm diameter. Inner conductor CCS. 112 wires. Shielding 90dB/A class. Attenuation: 17,9dB (862 MHz) / 29,6dB (2150 MHz). Bonded Foil . PVC flame retardant white jacket. 100 m carton spool. CPR Dca Class	4/144
151034	CC 112P-D/250 <b>E</b>	Coaxial cable. 6,7 mm diameter. Inner conductor CCS. 112 wires. Shielding 90dB/A class. Attenuation: 17,9dB (862 MHz) / 29,6dB (2150 MHz). Bonded Foil. LSZH white jacket. 250m pull-box. CPR Dca Class	1/36

**CONNECTORS AND ACCESSORIES**

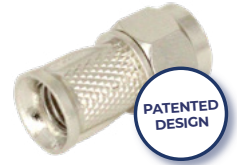
**TWIST-ON WITH WINGS F CONNECTORS**

162017	CFR 5 EK <b>N</b>	Twist-on with wings F-connector male for 5 mm cable, with O-ring	50/2000
162015	CFR 6 EK	Twist-on with wings F-connector male for 6,7 mm cable, with O-ring	50/2000
162020	CFR 6 EK-B <b>N</b>	Twist-on with wings F-connector male for 6,6 - 7,3mm cable, with O-ring. Plastic bottle packaging	100/2000

**Advantages of new patented CFR 5 EK and CFR 6 EK connectors**



CFR 5 EK



CFR 6 EK



CFR 6 EK-B

**ACCESSORIES FOR TWIST-ON F-CONNECTORS WITH WINGS**

167005	EKEY <b>N</b>	Special key for CFR EK connectors. Standalone use or compatible with EK DRIVER	1/25
167006	EK DRIVER <b>N</b>	Automatic screwdriver with bits and accessories. Contains EKEY	1/32



EKEY



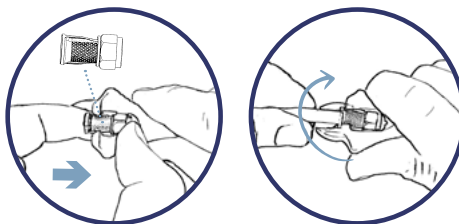
Ek DRIVER

**EKey** is an exclusive EK tool, designed to make it even easier to assemble the patented CFR6EK and CFR5EK F-type connectors. EKey consists of an ergonomically designed handle that adapt to the installer's hand and allow a very easy assembly. But the most revolutionary feature of EKey is its compatibility with electric drills and screwdrivers. Among them the EKdriver, achieving a connector assembly practically instantaneous and without any effort. EKey allows a much greater threading force to be applied than in a conventional twist-on connector and makes it possible to assemble even on larger diameter cables such as trishield type (CC3S).

As an additional feature and perfect complement to help the installer, EKey is equipped with an 11mm fixed wrench for F connectors. Unlike metal wrenches that can damage equipment if excessive torque is applied, EKey is made of high-strength nylon and its elasticity gives it simple and effective torque control.

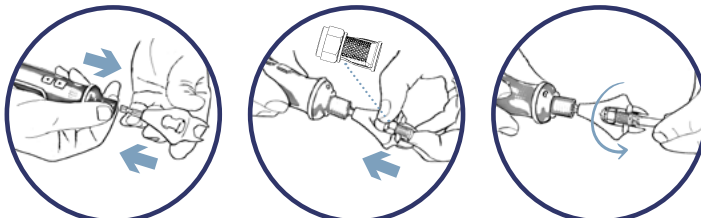
**EKdriver** is an electric screwdriver specially designed for use together with the **EKey** tool for F-type connectors assembly references CFR6EK and CFR5EK. Its ergonomic design and size are similar to a conventional screwdriver which makes it ideal for every installer to carry in their toolbox. It is compatible with standard hexagonal 6mm bits and it is supplied in a complete case with charger, bits set and an EKey key.

**Assembling CFR 5 EK / CFR 6 EK connectors with Ekey**



**Ekey with EK DRIVER\***

\*Electric drills can be used at low speed



Access the Ekey and EK DRIVER demo video



CFR 5



CFR 11



CCP 6



CCP 11



C95M EK



C95H EK



C 95 M49 - C 95 H49



C 95P-M



C 95P-H



CF 90 - CF 90-6



CF 2150



CF 2150 A

**TWIST-ON F CONNECTORS**

161003	CFR 5 <b>E</b>	Twist-on f-connector male for 5 mm cable, with O-ring	25/500
161006	CFR 11	F male twist-on connector for 11 mm cable, with O-ring	50/400

**COMPRESSION F TYPE**

168001	CCP 6	Conector F macho compresión para cable 7mm. Compatible con cables CC 96, CC 128 y CC 3S	250/1000
168002	CCP 11	Conector F macho compresión para cable 11mm. ΩCompatible con cable CC 11	50/400

**IEC TYPE CLASS A++**

162018	C95M EK <b>N</b>	90° IEC 9,5 mm male connector for 6,6-6,9 mm cable (CC 128 / CC 3S). Quick pressure connection. First 90° metal connector on the market made from a single block of zamak. Patented design by EK ensures A++ class shielding	25/1000
162019	C95H EK <b>N</b>	90° IEC 9,5 mm female connector for 6,6-6,9 mm cable (CC 128 / CC 3S). Quick pressure connection. First 90° metal connector on the market made from a single block of zamak. Patented design by EK ensures A++ class shielding	25/1000
162012	C 95 M49	A++ class 90° IEC male connector for 4,7-5,1 mm cable. Quick connection to pressure. First angled metal connector on the market manufactured in a single block of zamak. EK patented design that gives it a Class A ++ shielding	25/1000
162013	C 95 H49	A++ class 90° IEC male connector for 4,7-5,1 mm cable. Quick connection to pressure. First angled metal connector on the market manufactured in a single block of zamak. EK patented design that gives it a Class A ++ shielding	25/1000

**IEC TYPE BASIC**

162008	C 95P-M	90° IEC male connector for 6,6-6,9 mm cable. Plastic	250
162009	C 95P-H	90° IEC female connector for 6,6-6,9 mm cable. Plastic	250

**QUICK-F ANGLE TYPE**

161002	CF 90	A class 90° F male connector for 6,9 mm cable	36/432
161009	CF 90 - 6	A class 90° F male connector for 6,7 mm cable	36/432

**F TYPE LOADS**

163001	CF 2150	F male 75 ohms terminator	25/200
163002	CF 2150 A	F male 75 ohms isolated terminator	25/200



**ADAPTERS**

165001	AFF	F female - F female adapter	25/250
165006	FFQ	F female - F male quick adaptor	25/250
165002	AFI	F female - IEC male adapter	25/200
165012	AFI H	F female / IEC female adapter	25/200
165005	AFI 90	F female - IEC male adapter. 90° angle	25/200
165007	IEC MM	IEC male - IEC male adaptor	25/250
165008	IEC HH	IEC female - IEC female adaptor	25/250
166001	RFF	Quick F to 2 F connector splitter	50/400



**AFF**



**AFI**



**AFI 90**



**RFF**

**ATTENUATOR**

164002	ATS	Variable attenuator with F-connector. Frequency: 45-2300MHz. Attenuation: 0-20dB. With DC pass	30
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**PCA**

**POWER INSERTER**

064001	IN 1224	Power inserter with female F connectors- 5-2150 MHz	30
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**PCA 4QC**

**TOOLS**

167001	PCA	Cable stripping tool for coaxial cables	1/25
167007	PCA 4QC <b>N</b>	Cable stripping tool compatible with QUICOAX	1
167004	PC QC	Cable stripping tool for QUICOAX 2 operations	1/50
167002	MCP 511	Compression tool for compression connectors	1/10
167003	HT 3	Multi-use tool	1/25
210005	LCF	Tool for F connector	1/50



**MCP 511**



**HT 3**

# IEC CLASS A++ CONNECTORS EXCEEDING YOUR EXPECTATIONS

**01**  
Patented design

**02**  
Simple, fast and safe assembly, without tools

**03**  
Class A++ Shielding (105dB)

**04**  
High immunity to 4G/5G interferences

**05**  
Cable conductor fixing by clamp

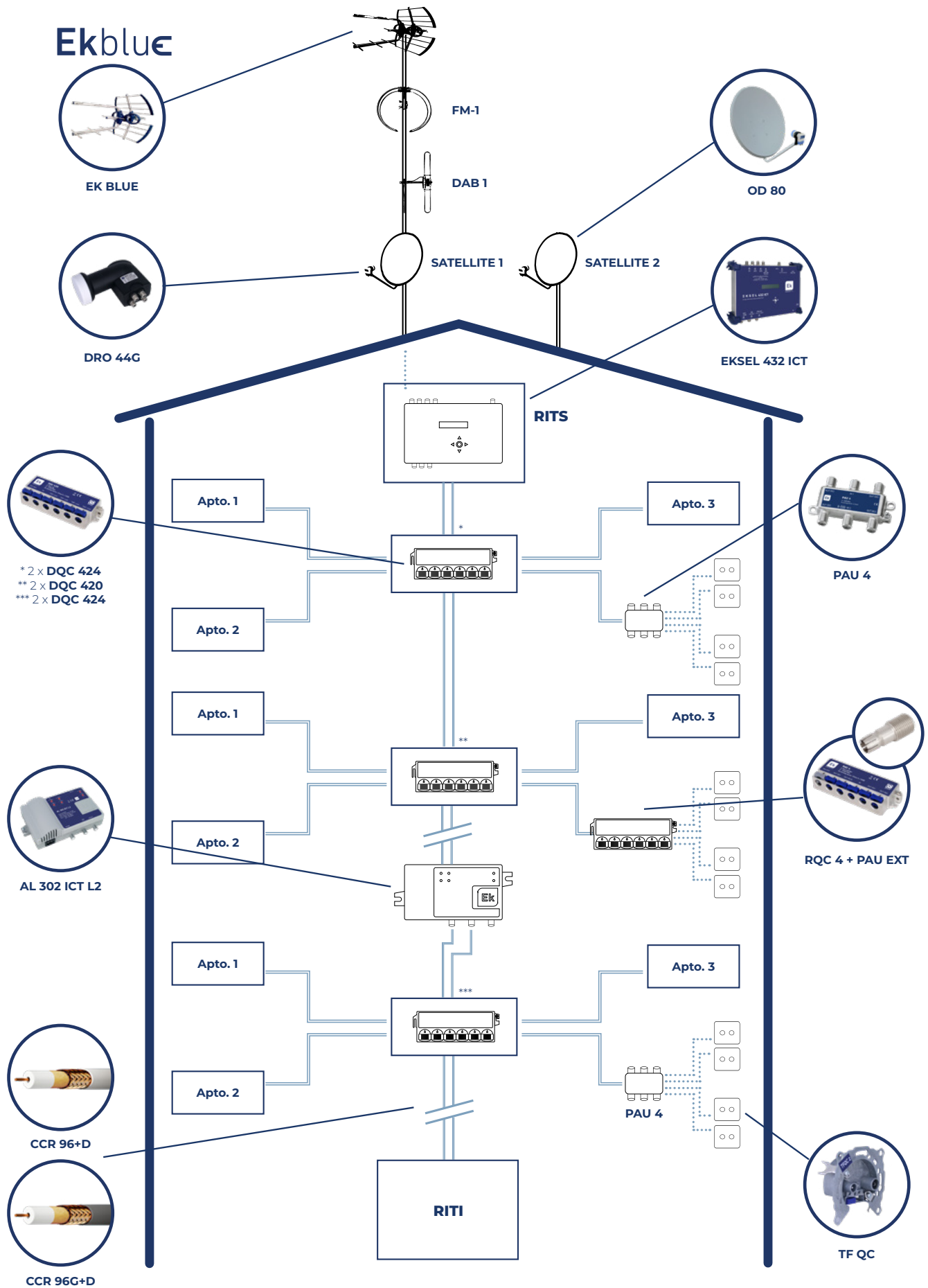
**06**  
High resistance and durability

EK introduces the first 90° metal connector on the market made of a single zamak block. This range of right-angled IEC 9.5mm connectors are manufactured in a single piece without openings and with continuous shielding. This patented design by EK gives them the highest shielding on the market (Class A++).



**NEW ENHANCED MODEL**

EXAMPLE OF SMATV INSTALLATION



# 02

## FIBER AND LAN DISTRIBUTION





RP FO



ARP



BF 48 C

Highly stable  
pull-out tray

R6 UD / R9 UD



R6 19 450



PP 24 S



KJ C6A



KJ C6A-TL



KJ C6A-FTL



SC KJ M



FF KJ

## CABINETS AND ACCESSORIES

### MULTI OPERATOR FIBER CABINET

396012	RP FO	2-zone cabinet for 48 SC/APC adapters. 2 trays for up to 48 fusions	1/4
396016	ARP	16 SC/APC adapters plate for RP FO	1/50

### WALL RACK AND CABINETS

361001	B 2U	Wall frame 19" 2U - 300 mm depth	1
361002	B 3U	Wall frame 19" 3U - 300 mm depth	1
396005	RB 4 19 300	Rack cabinet de 19" 4U 300mm depth, 540 x 362 x 180 mm	1
396021	RB 6 19 300 N	Rack cabinet de 19" 6U 300mm depth, 540 x 362 x 211 mm	1
396001	R6 19 450	Rack cabinet 19" 6U 450mm depth. 600 x 450 x 370 mm	1
396002	R9 19 450	Rack cabinet 19" 9U 450mm depth. 600 x 450 x 500 mm	1
396013	R6UD	Rack cabinet 19" 6U unassembled. 600 x 400 x 370 mm	1
396014	R9UD	Rack cabinet 19" 9U unassembled. 600 x 400 x 500 mm	1
361016	BF 1U-300	Fixed 19" rack tray - 1U. Depth 300mm. For racks depth 450mm	1
361017	BF2U-300	Fixed 19" rack tray - 2U. Depth 300mm. For racks depth 450mm	1
397003	GC 19	Wires guide for 19" rack 1U	1/20
397004	PPC 19	Lead-through for 19" rack 1U	1
397001	PC 1 19	Blind panel 1U rack 19"	1/20
397002	PC 2 19	Blind panel 2U rack 19"	1

### FIBER TRAYS AND ACCESSORIES

361012	BF 24 C	24p pull-out tray with SC / APC simplex adapters	1/5
361013	BF 48 C	48 ports pull-out tray with 24 SC / APC duplex adapters assembled. Antidust cap protector. 1U	1/5
361018	BF 24 E	24p pull-out tray with mounted SC / APC simplex adapters. Fiber identifier. Antidust cap protector.	1/5
361019	BF 48 E	48 ports pull-out tray with SC / APC simplex adapters assembled. Fiber identifier. Antidust cap protector. 1U	1/5
363001	A SCAPC S	Simplex SC / APC adapter with mounting flange	25/2000
363004	A SCAPC D	Duplex SC / APC adapter with mounting flange	20/1000
363010	T AD	48 screw units bag for SC / APC adapters.	1
363011	TP AD S	Protective cap for front telescopic tray SC connector	100
366001	PFF 45	50 pcs 50mm heat shrinkable bag for mergers.	1

### PATCH PANELS AND KEYSTONE JACKS

392005	PP 24 6 C	24-Cat6 ports patch panel for 19" rack	1/10
392001	PP 24 S	24 ports empty patch panel for 19" rack (keystone not included)	1/10
393005	KJ C6A	Cat6A UTP keystone jack / female connector	1/100
393007	KJ C6A-TL	Tool-less Cat6A keystone jack UTP female connector	1/100
393006	KJ C6A-FTL	Tool-less Cat6A keystone jack FTP female connector	1/50
393016	SC KJ M	SC-APC fiber adapter for mounting on data panel or keystone box	10/50
393011	FF KJ	Double F connector adapter for patch panel	25

## DISTRIBUTION BOX

361031	RS 4	Fiber distribution box 4 fibers. SC / APC adapters not included	1/10
361032	RS 8-12	Fiber distribution box 8 connectorized /12 fused fibers. SC / APC adapters not included	1/10
361033	RS 4M	Fiber distribution box 4 fibers. SC/APC adapters included. It includes support for SP FO splitters	1/30
361034	RS 8M	Fiber distribution box 8 fibers. SC/APC adapters included. It includes support for SP FO splitters	1/20
361038	RS 12M	Fiber distribution box 12 fibers. SC/APC adapters included. It includes support for SP FO splitters	1/20



**RS 8-12**



**RS 8M**



Access the EK ROLLER demo video

## KITS PIGTAIL / PATCH CORD COMPATIBLES EK ROLLER

### EK ROLLER

151059	EK ROLLER 	Cable unroller / roller device for coaxial cable compatible with Ek roller	1
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# Ek ROLLER

**PATENT PENDING**

**EKRoller** is a new concept of cable dispenser patented by EK that presents unique advantages in the market. Its low weight and size allows it to be stored in the toolbox and it makes it very easy to use in any situation and environment. Allows the rotation of fiber optic distribution kit boxes, facilitating their unwinding. Thanks to its robust steel structure, supports both light reels of less than 1kg and reels of more than 30kg

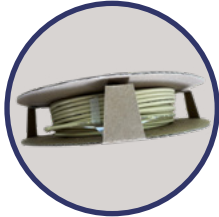
- ✓ The quick fixing system to the fiber optic distribution kit boxes allows an easy and toolless swap in just two seconds
- ✓ EK Roller allows not only the unwinding of cable by simply pulling it, but also makes it easy the tedious task of winding the excess cable at the end of the installation
- ✓ The EK reels compatible with EK Roller also consist of an innovative system that prevents the excess cable from becoming entangled and guarantees a fluid unwinding of the same



**EK ROLLER**

### PIGTAIL KITS EK ROLLER - CPR DCA

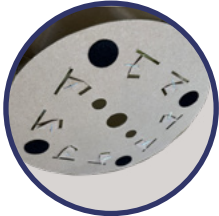
361111	PFR 10DT APRIL 2023	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers pigtail 10m with traction system. CPR Dca	1/16
361112	PFR 15DT APRIL 2023	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers pigtail 15m with traction system. CPR Dca	1/16
361113	PFR 20DT APRIL 2023	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers pigtail 20m with traction system. CPR Dca	1/16
361114	PFR 25DT APRIL 2023	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers pigtail 25m with traction system. CPR Dca	1/16
361115	PFR 30DT APRIL 2023	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers pigtail 30m with traction system. CPR Dca	1/16
361116	PFR 50DT APRIL 2023	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers pigtail 50m with traction system. CPR Dca	1/16
361117	PFR 70DT APRIL 2023	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers pigtail 70m with traction system. CPR Dca	1/16



Cardboard reel with EK ROLLER system



Integrated holders on the reel



Ek ROLLER fixing system

### PATCHCORD KITS EK ROLLER - CPR DCA

361118	PFR 20 DEK APRIL 2023	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers connectorized patchcord 20m with traction system. CPR Dca	1/16
361119	PFR 25 DEK APRIL 2023	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers connectorized patchcord 25m with traction system. CPR Dca	1/16
361120	PFR 30 DEK APRIL 2023	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers connectorized patchcord 30m with traction system. CPR Dca	1/16
361121	PFR 50 DEK APRIL 2023	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers connectorized patchcord 50m with traction system. CPR Dca	1/16
361122	PFR 70 DEK APRIL 2023	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers connectorized patchcord 70m with traction system. CPR Dca	1/16



PF XXD



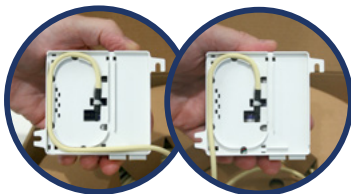
PULL-BOX PF XXDT / DEK



PF XX DEK connectorized with traction system



fiber rosette with anti-dust SC/APC adapters



Multiple cable output possibilities



external mounting ears, no need to open the rosette

PATCHCORD KITS WITH FLEXIBLE CONNECTORS EK ROLLER - CPR Dca

361126	PCR 12 FEK <b>N</b> APRIL 2023	3mm patch cord with flexible SC / APC connectors. Length 12 m. With traction system at one end. CPR Dca	1/16
361127	PCR 18 FEK <b>N</b> APRIL 2023	3mm patch cord with flexible SC / APC connectors. Length 18 m. With traction system at one end. CPR Dca	1/16
361128	PCR 24 FEK <b>N</b> APRIL 2023	3mm patch cord with flexible SC / APC connectors. Length 24 m. With traction system at one end. CPR Dca	1/16

PIGTAIL KITS - CPR DCA

PAUS CPR Dca

361069	PF 10D <b>E</b>	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers pigtail 10m. CPR Dca	1/20
361070	PF 15D <b>E</b>	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers pigtail 15m. CPR Dca	1/20
361071	PF 20D <b>E</b>	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers pigtail 20m. CPR Dca	1/20
361072	PF 25D <b>E</b>	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers pigtail 25m. CPR Dca	1/20
361073	PF 30D <b>E</b>	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers pigtail 30m. CPR Dca	1/20
361074	PF 50D <b>E</b>	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers pigtail 50m. CPR Dca	1/20
361075	PF 70D <b>E</b>	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers pigtail 70m. CPR Dca	1/20
361076	PF 10DT <b>E</b>	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers pigtail 10m with traction system. CPR Dca	1/16
361077	PF 15DT <b>E</b>	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers pigtail 15m with traction system. CPR Dca	1/16
361078	PF 20DT <b>E</b>	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers pigtail 20m with traction system. CPR Dca	1/16
361079	PF 25DT <b>E</b>	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers pigtail 25m with traction system. CPR Dca	1/16
361080	PF 30DT <b>E</b>	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers pigtail 30m with traction system. CPR Dca	1/16
361081	PF 50DT <b>E</b>	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers pigtail 50m with traction system. CPR Dca	1/16
361082	PF 70DT <b>E</b>	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers pigtail 70m with traction system. CPR Dca	1/16

PATCHCORD KITS - CPR DCA

361085	PF 20 DEK <b>E</b>	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers connectorized patchcord 20m with traction system. CPR Dca	1/16
361086	PF 25 DEK <b>E</b>	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers connectorized patchcord 25m with traction system. CPR Dca	1/16
361087	PF 30 DEK <b>E</b>	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers connectorized patchcord 30m with traction system. CPR Dca	1/16
361088	PF 50 DEK <b>E</b>	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers connectorized patchcord 50m with traction system. CPR Dca	1/16
361089	PF 70 DEK <b>E</b>	Optical fiber rosette box with 2 SC / APC anti-dust adapters and 2 fibers connectorized patchcord 70m with traction system. CPR Dca	1/16



**SC / APC FLEXIBLE CONNECTOR PIGTAIL**

362022	PT 12 F <b>E</b>	Fiber pigtail with flexible SC / APC connector. Length 12 m. CPR Dca	1/16
362023	PT 18 F <b>E</b>	Fiber pigtail with flexible SC / APC connector. Length 18 m. CPR Dca	1/16



**PT XXF**

**FIBER PATCHCORDS WITH FLEXIBLE CONNECTORS**

362007	PC 12 FEK <b>E</b>	3mm patch cord with flexible SC / APC connectors. Length 12 m. With traction system at one end. CPR Dca	1/16
362008	PC 18 FEK <b>E</b>	3mm patch cord with flexible SC / APC connectors. Length 18 m. With traction system at one end. CPR Dca	1/16



**PC XXFEK**

**3 MM FIBER PATCHCORDS**

362002	PC SA 25	3mm patch cord fiber with SC / APC connectors. Length 25 cm	1/250
362001	PC SA 100	3mm patch cord fiber with SC / APC connectors. Length 1 m	1/250
362005	PC SA-200	3mm patch cord fiber with SC / APC connectors. Length 2 m	1/250
362003	PC SA-P 25	3mm hybrid patch cord with SC / APC and SC / PC connectors. Length 25 cm	1/250
362004	PC SA-P200	3mm hybrid patch cord with SC / APC and SC / PC connectors. Length 2m	1/250



Traction system with assembled connector

**900 UM FIBER PIGTAILS**

362021	PT 150	900um pigtail fiber SC / APC connectors. Length 0.5m	1/25
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**PC SA-200**

**FIBER DISTRIBUTION**

**TERMINAL BOX WITH PIGTAIL**

361102	RT 1 A PTG	Optical fiber terminal box with one SC/APC adapter and pigtail	1/25
361103	RT 1 A PT	Optical fiber terminal box with protection with one SC/APC adapter and pigtail	1/25



**RT 1 A PTG**

**RT 1 A PT**

**TERMINAL BOX AND ADAPTORS**

361101	RT FO	Empty optical fiber terminal rosette box. SC / APC adapters not included	1/25
363001	A SCAPC S	Simplex SC / APC adapter with mounting flange	50/2000
363002	A SCAPC S W	Simplex SC / APC adapter without mounting flange	50/2000
363003	A SCAPC AD	Simplex SC / APC adapter with anti dust cap	25/2000
363011	TP AD S	Protective cap for front telescopic tray SC connector	100
366001	PFF 45	50 pcs 50mm heat shrinkable bag for mergers.	1



**A SCAPC S**



**A SCAPC AD**



**TP AD S**



**PFF 45**



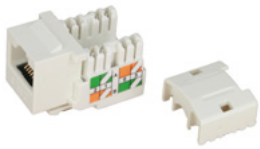
MP 18



External mounting ears for greater installation comfort



R C6



KJ C6



KJ C6A-TL



KJ C6A-FTL



RJ45 UC6A · RJ45 F6A



H PF

H TJ



HCC RJ45



CFO 2 900D

CPR Dca

FIBER CONNECTOR

363021	CM SA	Mechanical SC / APC connector for fiber	10/100
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TELEPHONY MULTIPLEXER

399001	MP 18	Cat6 passive telephony multiplexer. 1 input / 8 outputs.	1/16
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TERMINAL BOXES AND CONNECTORS

393021	R C6	Data terminal rosette box with dust cap. Keystone not included.	1/16
393001	KJ C6	Keystone jack / Cat6 UTP female connector	25/100
393005	KJ C6A	Cat6A UTP keystone jack / female connector	1/100
393007	KJ C6A-TL	Tool-less Cat6A keystone jack UTP female connector	1/100
393006	KJ C6A-FTL	Tool-less Cat6A keystone jack FTP female connector	1/50
393003	RJ45 C6	Cat6 UTP RJ45 male connector	10/1000
393008	RJ 45U C6A	RJ45 Cat6A UTP fast male connector	10/1000
393009	RJ 45F C6A	RJ45 Cat6A Fast FTP Male Connector	10/1000
393004	C RJ45	White cap for male RJ45 connector	10/250
393010	C RJ45 Y	Yellow cap for male RJ45 connector	10/3000
393013	C RJ45 R	Red cap for male RJ45 connector	10/3000
393014	C RJ45 B	Blue cap for male RJ45 connector	10/3000
393015	C RJ45 G	Grey cap for male RJ45 connector	10/3000

FIBER TOOLS

364001	H PF	Fiber peeling tool 3 holes	1
364002	H TJ	Scissors for optical fiber	1
394001	H KJ	KJC6 keystone jack tool	1
394002	H RJ45	Tool for RJ45 connector C6	1
394003	HCC RJ45	Tool for fast male RJ45 connectors	1/20

FIBER CABLE - CPR DCA

360008	CFO 2 900N E	2 single-mode 900um fibers cable G657-A2 PE black for outdoor installations. 500m reel	1
360019	CFO 2-600 ARM E	2 single-mode 600um fibers armoured cable G657-A2 LSZH and UV CPR Dca. 500m reel	1
360010	CFO 12 900-D	12 single-mode tight-buffered fibers cable 900um G657-A2 LSZH CPR Dca. Packed by meter	m
360011	CFO 24 900-D	24 single-mode tight-buffered fibers cable 900um G657-A2 LSZH CPR Dca. Packed by meter	m
360012	CFO 48 900-D	48 single-mode tight-buffered fibers cable 900um G657-A2 LSZH CPR Dca. Packed by meter	m
360007	CFC	Fiber cutting service	1
360015	CPF	Big reel for fiber optical cable	1
360020	CPF 2	Small reel for fiber optical cable	1



**FIBER CABLE EK ROLLER- CPR DCA**

360025	CFOR 2 900-D <b>N</b> APRIL 2023	2 single-mode 900um fibers cable G657-A2 LSZH white CPR Dca. 500m reel	1
360026	CFOR 2 900N <b>N</b> APRIL 2023	2 single-mode 900um fibers cable G657-A2 PE black for outdoor installations. 500m reel	1

**LAN CABLE EK ROLLER - CPR DCA**

390018	CLUR 6 CUD <b>N</b>	LAN cable CAT6 U / UTP CU white LSZH CPR Dca. 305m wooden drum for EK ROLLER	1/36
390019	CLUR 6 CU-E <b>N</b>	LAN Cable CAT6 U / UTP CU Outdoor UV-PE black. 305m wooden drum for EK ROLLER	1/36



**CLUR 6 CUD**



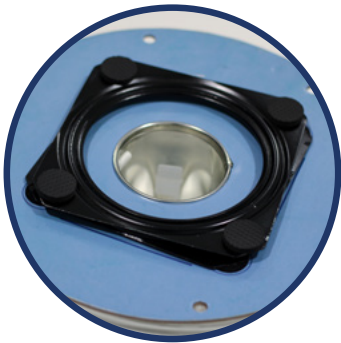
Access the EK ROLLER demo video

# Ek ROLLER



**EKRoller** is a new concept of cable dispenser patented by EK that presents unique advantages in the market. Its low weight and size allows it to be stored in the toolbox and it makes it very easy to use in any situation and environment. Thanks to its robust steel structure, supports both light reels of less than 1kg and reels of more than 30kg

- ✓ The quick fixing system to the reel allows an easy and toolless swap in just two seconds
- ✓ Once fixed, it is automatically integrated into the exclusive EK reel with handle, which makes it even easier to use and portable
- ✓ EK Roller allows not only the unwinding of cable by simply pulling it, but also makes it easy the tedious task of winding the excess cable at the end of the installation
- ✓ The EK reels compatible with EK Roller also consist of an innovative system that prevents the excess cable from becoming entangled and guarantees a fluid unwinding of the same



**EK ROLLER MECHANISM**

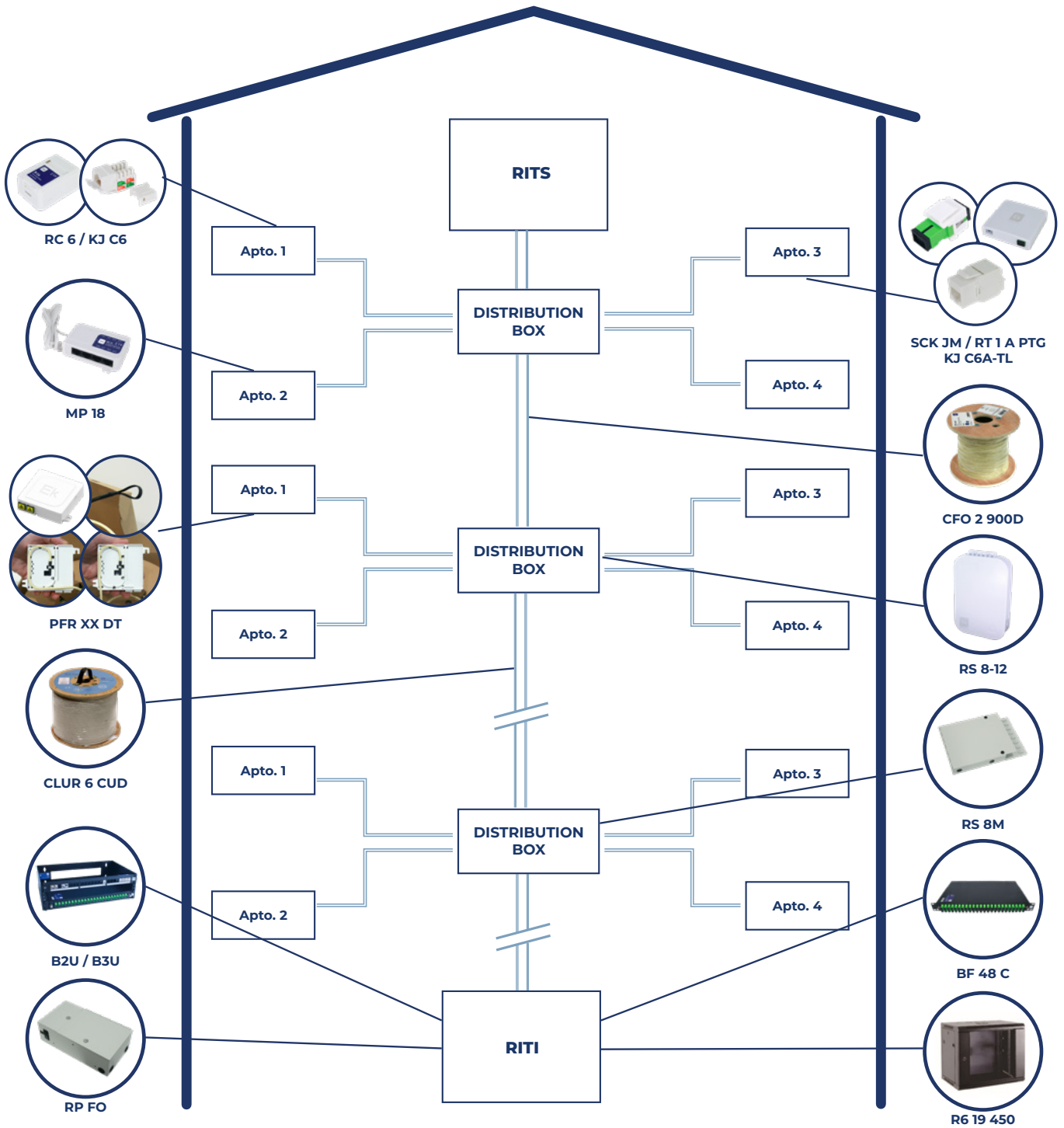


**EK ROLLER COIL UNWINDING**



**EK ROLLER REEL HANDLE**

EXAMPLE OF FIBER OPTIC AND DATA INSTALLATION



# 03

## RECEIVERS, MODULATORS AND REMOTE CONTROL IR EXTENDERS





TK T2



EK HDT2



EK DR-2



EK TC DROID



EN 2HD-IP



MD HD EASY LOOP



MD HD EASY TWIN

**DVB-T2 RECEIVER**

TK1800	TK T2	DVB-T / T2 HD H265 HEVC digital terrestrial television receiver with universal remote.	1/20
180023	EK HDT2	DVB-T2 HEVC H265 10 BIT mini HDMI stick digital terrestrial receiver	1/20

**ANDROID BOX**

180032	EK DR-2	Android 4K / HD receiver, H264 / H265, 2.4GHz WiFi, 2 USB ports, 1 HDMI connector, infrared sensor extender	1/20
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**DVB-T2 + ANDROID RECEIVER**

180021	EK TC DROID	DVB-T/T2 H265 + ANDROID TV 4K digital terrestrial HD receiver	1/20
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**TWIN ENCODER/STREAMER**

284001	EN 2HD-IP <b>N</b>	2 HDMI inputs encoder/streamer. IP multicast / HLS / RTMP output for local network or online transmission. Up to 25 simultaneous users	1/18
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**HD DIGITAL MODULATORS**

122008	MD HD EASY	HD digital encoder modulator HDMI to COFDM/QAM. 1 input HDMI up to 1080p. Output frequency: 170-230 MHz + 470-862 MHz. Output level (DIN 45004B): > 80 dBuV. RF mix input. USB for professional values programming	1/12
122011	MD HD EASY LOOP	HD digital encoder modulator HDMI to COFDM/QAM. 1 input HDMI + 1 HDMI LOOP up to 1080p. Output frequency: 170-230 MHz + 470-862 MHz. Output level (DIN 45004B): > 80 dBuV. RF mix input. USB for professional values programming	1/12
122014	MD HD EASY RC	Digital modulator to COFDM/QAM. 1 input + HDMI LOOP up to 1080p. Output frequencies: 170-230MHz + 470- 862MHz. Output level (DIN 45004B):> 80dBuV. RF mix input (5-862MHz). USB recorder / player. USB for programming professional parameters. IR transmitter 33-56 KHz modulated (included). Transmits 5Vdc for TMD power	1/12
122013	MD HD EASY TWIN	Modulador digital a COFDM/QAM. 2 entradas HDMI hasta 1080p. Frecuencias de salida: 170-230MHz + 470- 862MHz. Nivel de salida (DIN 45004B):>80dBuV. Entrada de mezcla RF (5-862MHz). USB reproductor + USB para programación de parámetros profesionales	1/12
125002	TRC	Universal remote control IR receiver for MD HD EASY RC. Power supply not included.	1/12
124007	FA 505	Power supply 5Vdc / 500mA for TMD	1/12

**HD DIGITAL MODULATORS 4K COMPATIBLE**

122015	MD HD L4K	HD digital encoder modulator HDMI to COFDM/QAM/ISDB-T. 1 input HDMI + 1 HDMI LOOP 4K. Output frequency: 170-230 MHz + 470-862 MHz. Output level (DIN 45004B): > 80 dBuV. RF mix input. USB for professional values programming	1/12
122016	MD HD L4K RC	Digital modulator to COFDM/QAM/ISDB-T. 1 input + HDMI LOOP 4K. Output frequencies: 170-230MHz + 470- 862MHz. Output level (DIN 45004B):> 80dBuV. RF mix input (5-862MHz). USB recorder / player. USB for programming professional parameters. IR transmitter 33-56 KHz modulated (included). Transmits 5Vdc for TMD power	1/12
125002	TRC	Universal remote control IR receiver for MD HD EASY RC. Power supply not included.	1/12
124007	FA 505	Power supply 5Vdc / 500mA for TMD	1/12
059001	AMCD 	DIN rail fixing accessory (for MD modulators)	1/1000



MD HD L4K RC



TRC



MD A

**POWER SUPPLY**

122009	FA MD	Replacement power supply for MD digital modulators. 5Vdc / 2A	1
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**ANALOG MODULATOR**

121001	MD A	Multistandard audio / video modulator. Output channels: E2-E4, E5-S20, C21-69. Output level (DIN 45004B): 90 dBuV. TV input mix.	10/60
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CHD

**SCART**

123001	CSR	Cable SCART / 3 x RCA 1,5 m	25/100
123002	CRR	Cable 3 x RCA / 3 x RCA 1,5 m	5
123003	CRS	Cable 3 x RCA IN / SCART OUT 1,5 m	25/100
125001	CHD	1,5 m HDMI male - HDMI male V2.0 cable	6/120
165010	HDM 90F	HDMI male - HDMI female 90° flat adaptor	10



HDM 90

**REMOTE CONTROL EXTENDERS**

124008	IR-W2	Remote control wireless universal repeater. Sender-receiver kit. Switchable control frequency.	1/10
124009	IR-W2 EXT	Additional wireless extender	1/10
124006	IR-CU 	Universal repeater of remote control by coaxial cable. Power for additional emitters. KIT composed by transmitter + receiver and 2 power supplies	1/40
124003	TMD 	IR universal receiver for Remote control. Suitable for MD HD +, MD IR and IR C-U. Power supply FA505 not included.	1/12
124010	IR-RC	Coaxial cable remote control universal repeater. Transmitter 33/56 KHz 80dB dynamic range. Power for additional emitters. Transmitter kit + receiver and 2 power supplies	1/40
125002	TRC	Universal remote control IR receiver for MD HD EASY RC. Power supply not included.	1/12
124007	FA 505	Power supply 5Vdc / 500mA for TMD	1/12



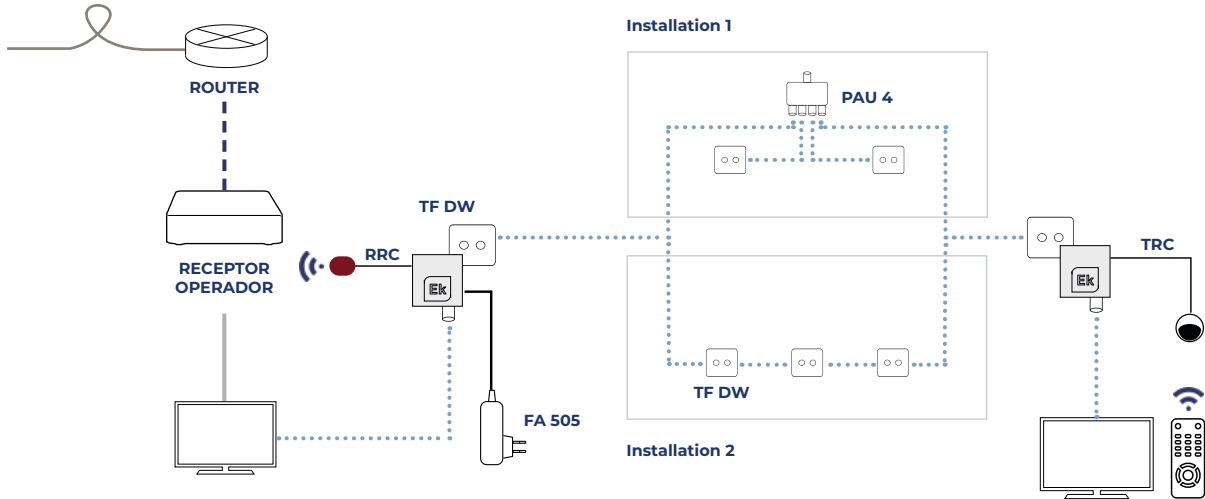
IR W2



IR-RC

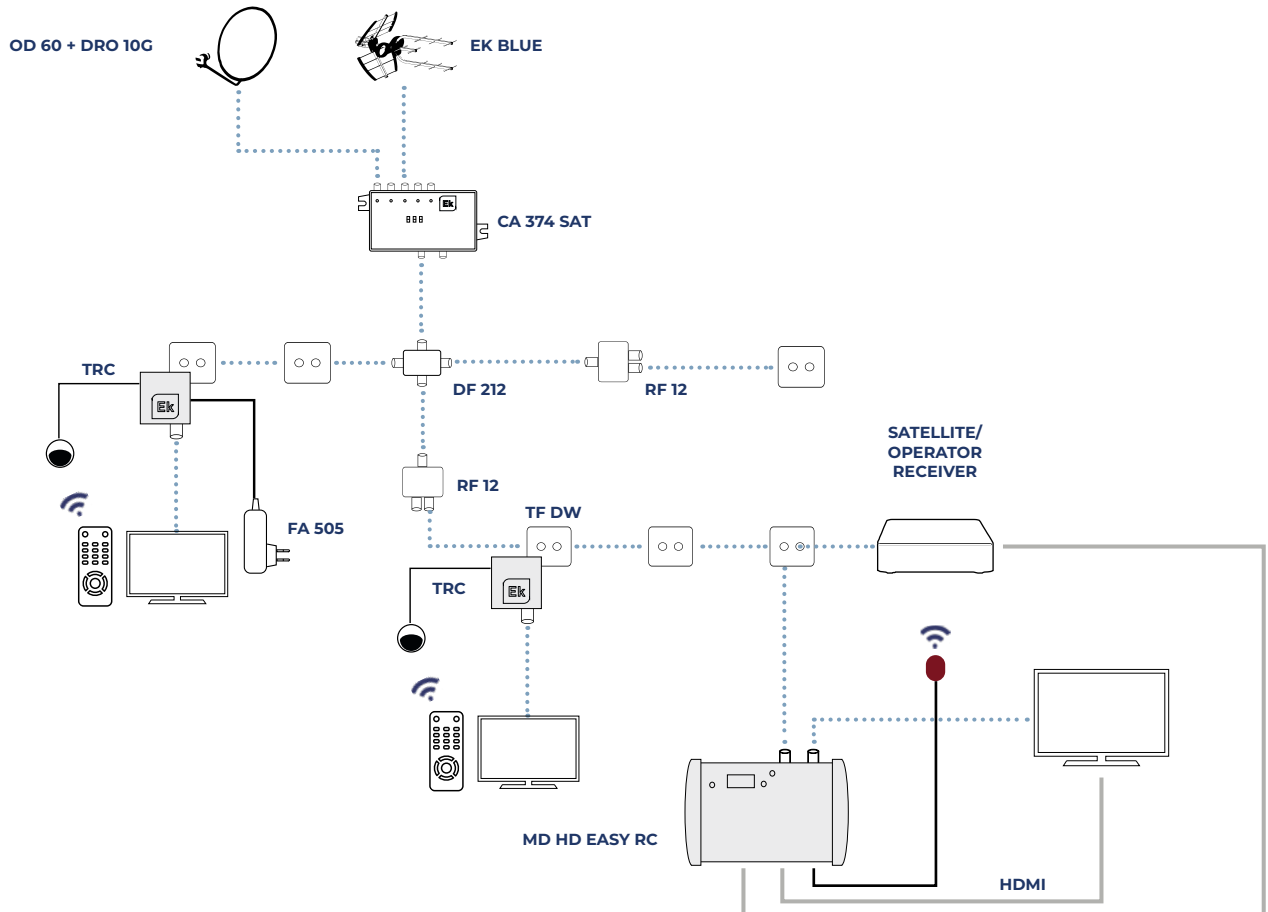
## INSTALLATION EXAMPLE IR-RC

With the IR-RC kit you can transmit the remote control signal between two rooms. With the high dynamic range between transmitter and receiver, it is possible to cover coaxial cable installations with high losses. A second power supply (included in the kit) is necessary if the coaxial installation does not allow current to flow.



## INSTALLATION EXAMPLE MD HD EASY RC WITH TRC

With the Modulator + TRC set it is possible to distribute the signal of the satellite receiver (or IP) to the entire coaxial network and control the receiver from other rooms. The CRT can be powered from the MD HD EASY RC. With its high dynamic range it is possible to cover installations with high losses.





# 04

## MULTIFUNCTIONAL CM HEADEND / TRANSMODULATORS AND STREAMERS





CM COMPACT 8S4



CM COMPACT PLUS 8S4



KIT CM COMPACT AV 8

8 TUNERS +  
HDMI + USB



CM 8SH CI-TC

## COMPACT HEADENDS

## SATELLITE DVB-S MULTISTREAM TO DVB-T/C PROGRAMMABLE - HIGH POWER

085006	CM COMPACT 2S2 <b>E</b>	Transmodulator 2 inputs (2 tuners) DVB S-S2 + loop. COFDM-QAM output. Output level: 95dB $\mu$ V. MER> 35dB. Intelligent remultiplexing of services. 2 RF output channels (flexibles). 13 / 18V, 22KHz and DiSEqC. Programming via PC. Power supply included	1
085001	CM COMPACT 8S4	Transmodulator 4 inputs (8 tuners) DVB S-S2 multistream. BISS compatible. COFDM-QAM output. Output level: 95dB $\mu$ V. MER> 35dB. Intelligent remultiplexing of services. 4 RF output channels (adjacent). 13 / 18V, 22KHz and DiSEqC. Programming via PC. Power supply included	1
085002	CM COMPACT 8S8	Transmodulator 4 inputs (8 tuners) DVB S-S2 multistream. BISS compatible. COFDM-QAM output. Output level: 95dB $\mu$ V. MER> 35dB. Intelligent remultiplexing of services. 8 RF output channels (4 + 4 adjacent). 13 / 18V, 22KHz and DiSEqC. Programming via PC. Power supply included	1
080010	CH 3 COMPACT	3-unit wall chassis COMPACT series	1
085007	CM COMPACT PLUS 8S4 <b>N</b>	Transmodulator 4 inputs (8 tuners) DVB S-S2 multistream. BISS compatible. COFDM-QAM output. Output level: 95dB $\mu$ V. MER> 35dB. Intelligent remultiplexing of services. 4 RF output channels (adjacent). 13 / 18V, 22KHz and DiSEqC. Programming via PC. Modular power supply and amplifier with real 112dB $\mu$ V per channel	1
085008	CM COMPACT PLUS 8S8 <b>N</b>	Transmodulator 4 inputs (8 tuners) DVB S-S2 multistream. BISS compatible. COFDM-QAM output. Output level: 95dB $\mu$ V. MER> 35dB. Intelligent remultiplexing of services. 8 RF output channels (4 + 4 adjacent). 13 / 18V, 22KHz and DiSEqC. Programming via PC. Modular power supply and amplifier with real 108dB $\mu$ V per channel	1

## DVB-T/T2 to COFDM SD MPEG-2

085005	KIT CM COMPACT AV 8 <b>N</b>	Headend kit for conversion of 8 DVB-T/DVB-T2 programs - H264/H.265 in to COFDM SD MPEG 2. 2 COFDM multiplex output	1
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## MULTIFUNCTIONAL HEADENDS

## DVB-S/S2 + HDMI + USB TO DVB-T/C FLEXIBLE

082255	CM 8SH-TC	Transmodulator with 4 inputs for 8 DVB-S/S2/S2X Multistream tuners. HDMI IN, media file player via USB. Programable COFDM / QAM output in 4 flexible channels. Smart services remultiplexing. Setup and management using CM Management PC software. Remote management via ethernet port in FA524 power supply with CM Key. Local management via USB or ethernet port (FA524/CM PR). Output level: 95 dB $\mu$ V. MER> 35dB	1
082256	CM 8SH CI-TC	Transmodulator with 4 inputs for 8 DVB-S/S2/S2X Multistream tuners with 2x Common Interface (CI). HDMI IN, media file player via USB. Programable COFDM / QAM output in 4 flexible channels. Smart services remultiplexing. Setup and management using CM Management PC software. Remote management via ethernet port in FA524 power supply with CM Key. Local management via USB or ethernet port (FA524/CM PR). Output level: 95 dB $\mu$ V. MER> 35dB	1

## DVB-S/S2 + HDMI + USB TO DVB-T/C FLEXIBLE + IP

082257	CM 8SH-TC/IP <b>NOW WITH 64 STREAMS</b>	Transmodulator with 4 inputs for 8 DVB-S/S2/S2X Multistream tuners. HDMI IN, media file player via USB. IP stream output. Programable COFDM / QAM output in 4 flexible channels. Smart services remultiplexing. Setup and management using CM Management PC software. Remote management via ethernet port in FA524 power supply with CM Key. Local management via USB or ethernet port (FA524/CM PR). Output level: 95 dB $\mu$ V. MER> 35dB	1
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**DVB-T/T2/C TO DVB-T/C FLEXIBLE**

082258	CM 4T-TC	Transmodulator with 1 input for 4 DVB-T/T2/C + Loop independent tuners. Programmable COFDM / QAM output in 4 flexible channels. Smart services remultiplexing. Setup and management using CM Management PC software. Remote management via ethernet port in FA524 power supply with CM Key. Local management via USB or ethernet port (FA524/CM PR). Output level: 95 dBuV. MER> 35dB	1
082259	CM 4T-CI-TC	Transmodulator with 1 input for 4 DVB-T/T2/C + Loop independent tuners with 2x Common Interface (CI). Programmable COFDM / QAM output in 4 flexible channels. Smart services remultiplexing. Setup and management using CM Management PC software. Remote management via ethernet port in FA524 power supply with CM Key. Local management via USB or ethernet port (FA524/CM PR). Output level: 95 dBuV. MER> 35dB	1



CM 4AV-TC

**HDMI/AV TO DVB T/C PROGRAMMABLE**

082004	CM 4HD-TC	Encoder 4 x HDMI / COFDM –QAM. Output level: 95 dBuV. MER >35dB. Remultiplexing of 4 HDMI inputs in 3 RF output channel DVBT/ DVBC. Programming by PC connected to power supply. Remote control on-board via power supply FA 524	1
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CM 4HD-TC



**HDMI/AV TO DVB T FLEXIBLE**

082025	CM 2AV-T	Encoder 2 x AV / COFDM. Output level: 95 dBuV. MER >35dB. Remultiplexing of 2 x AV inputs in one single output channel DVBT. Programming by PC connected to power supply. Remote control on-board via power supply FA 524	1
082003	CM 4AV-TC	Encoder 4 x AV / COFDM –QAM. Output level: 95 dBuV. MER >35dB. Remultiplexing of 4 x AV inputs in one single output channel DVBT/ DVBC. Programming by PC connected to power supply. Remote control on-board via power supply FA 524	1





CM 8SH-IP

**DVB-S/S2 + HDMI + USB TO IP**

082294	CM 8S-IP 	Streamer with 4 inputs for 8 DVB-S/S2/S2X Multistream tuners. HDMI IN, media file player via USB. Smart services remultiplexing into 64 IP streams. Setup and management using CM Management PC software. Remote management via ethernet port in FA524 power supply with CM Key. Local management via USB or ethernet port (FA524/CM PR).	1
082263	CM 8SH-CI-IP 	Streamer with 4 inputs for 8 DVB-S/S2/S2X Multistream tuners with 2x Common Interface (CI). HDMI IN, media file player via USB. Smart services remultiplexing into 64 IP streams. Setup and management using CM Management PC software. Remote management via ethernet port in FA524 power supply with CM Key. Local management via USB or ethernet port (FA524/CM PR).	1

**DVB-T/T2/C TO IP**

082260	CM 4T-IP 	Streamer with 1 input for 4 DVB-T/T2/C + Loop independent tuners. Smart services remultiplexing into 64 IP streams. Setup and management using CM Management PC software. Remote management via ethernet port in FA524 power supply with CM Key. Local management via USB or ethernet port (FA524/CM PR).	1
082261	CM 4T-CI-IP	Streamer with 1 input for 4 DVB-T/T2/C + Loop independent tuners with 2x Common Interface (CI). Smart services remultiplexing into 16 IP streams Setup and management using CM Management PC software. Remote management via ethernet port in FA524 power supply with CM Key. Local management via USB or ethernet port (FA524/CM PR).	1
082293	CM 8TC-IP 	Streamer with 1 input for 8 DVB-T/T2/C + Loop independent tuners. Smart services remultiplexing into 64 IP streams. Setup and management using CM Management PC software. Remote management via ethernet port in FA524 power supply with CM Key. Local management via USB or ethernet port (FA524/CM PR).	1



CM 8TC-IP



\* Modulator output channels can be configured independently across the entire band



CM IP CI-TC



CM TO 3-1310



FA 524



CH3 TR



HEADEND in 6U 19" RACK

## HDMI/AV TO IP

082007	CM 4AV-IP	Streamer 4 x AV to IP. 1000 Mbps. Remultiplexing of 4 x AV inputs to IP. Setup and management using CM Management PC software.	1
082008	CM 4HD-IP	Streamer 4 x HDMI to IP. 1000 Mbps. Remultiplexing of 4 HDMI inputs to IP. Setup and management using CM Management PC software.	1

## IP TO DVB T/C PROGRAMMABLE

082018	CM IP-TC	IP input 15 services SPTS / MPTS. 100Mbps. RTP / UDP. Output level: 95dB $\mu$ V. MER >35dB. 4 RF output muxes (adjacent). Programming by PC connected to power supply. Remote control on-board via power supply	1
082019	CM IP CI-TC	IP input + 2 x Common Interface. 15 services SPTS / MPTS. 100Mbps. RTP / UDP. 2 slots CI. 2 Output level: 95dB $\mu$ V. MER >35dB. 4 RF output muxes (adjacent). Programming by PC connected to power supply. Remote control on-board via power supply	1

## IP TO IP

082037	CM IP CI-IP	IP input 15 services SPTS / MPTS. 100Mbps. RTP / UDP. 2 x Common Interface. Output IP. 100 Mbps. Programming by PC connected to power supply. Remote control on-board via power supply	1
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## 1000 MHZ OPTICAL TRANSMITTER

274101	CM TO3-1310 E	Optical transmitter IN 47-1000MHz / OUT 1310nm DFB laser. Optical power 3dBm. SC / APC. Power supply included	1
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## 2600 MHZ OPTICAL TRANSMITTER

274100	CM TO3 FI-1310	Modular optical transmitter IN 47-2600 MHz / OUT 1310 nm, DFB laser. Optical power 3 dBm. SC / APC. Power supply included	1
274102	CM TO10 FI-1550	Modular optical transmitter IN 47-2600 MHz / OUT 1550 nm, DFB laser. Optical power 10 dBm. SC / APC. Power supply included	1

## OPTICAL SPLITTER

274103	CM RF 2	2-way optical splitter compatible with CM headend modules	1
274104	CM RF 4	4-way optical splitter compatible with CM headend modules	1
274105	CM RF 8	8-way optical splitter compatible with CM headend modules	1

## POWER SUPPLY

082009	FA 524	Modular power supply 5 Vdc - 24 A with remote control	1
082045	FA 524 KEY N	Modular power supply 5 Vdc - 24 A with remote control. CM KEY included	
082036	FA 510	Modular power supply 5 Vdc - 10 A.	1
082010	FA 55	Power supply for 1 module CM headend	1
082014	CM PR	External device for programming CM headend	1
082015	CM KEY	Key for remote access control to CM headend	1
080005	CHM TR	Wall-mount support, 6 units	1
080008	CH 3 TR	Wall-mount support, 3 units	1
080006	CHR TR	Support for 19" rack, 6 units	1

# 05

## HOSPITALITY AND SOCIAL HEALTH/ IPTV SERVERS/ CHROMECASTING/ OTT AND OPERATORS





EK BRIDGE · EK LINK



FA 510



EK LINK R



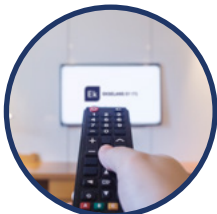
EK STREAM PLUS · OTT BY EK



EK HOTEL TV / EK HOTEL TV PRO



EKHOTELTV



New version with 2 playout services

**TRANSCODING, TRANSRATING, OTT AND STREAMING**

280026	EK BRIDGE	Encapsulator / desencapsulator of content multicast in HTTP (up to 20 services SD/ 15 HD) for public internet transmission Point to Point. Power supply not included	1
280027	EK LINK	Bidirectional IP converter / adapter between multicast and WebTV protocols (HLS / RTMP / MPEG-DASH) for TV services with audio transcoding capabilities (up to 20 SD services or 15 HD services). Power supply not included	1
280052	EK LINK R	Bidirectional IP converter / adapter between multicast and WebTV protocols (HLS / RTMP / MPEG-DASH) for TV services with audio transcoding capabilities (up to 20 SD services or 15 HD services). 19" rack format	1
082036	FA 510	Modular power supply 5 Vdc - 10 A for EK LINK and EK BRIDGE	1
080006	CHR TR	Support for 19" rack, 6 units	1
082010	FA 55	Power supply 5Vdc - 5A for 1 EK BRIDGE / EK LINK module.	1
280044	EK STREAM PLUS	Transcoder MPEG-2 / H-264 / H265 for TV channels (up to 30 SD or 15 HD). IP input / output. Bidirectional conversion capability between multicast protocols and WebTV (HLS / RTMP / MPEG-DASH)	1
280032	OTT BY EK*	OTT server for a maximum of 64 services and 250 simultaneous users. It includes a video engine for different WebTV formats (HLS / RTMP / MPEG-DASH) and a configurable, multi-device web portal for accessing services through a browser. Restricted access option through tokens and interface for integration with payment gateways. Payout with optimized switching. DRM-compliant	1
280031	EK STREAM PLUS + OTT*	OTT server for a maximum of 30 services and 125 simultaneous users with the ability to pre-transcode services (up to 16 SD services / 8 HD services). IP input and output. Bidirectional conversion capability between multicast and WebTV protocols (HLS / RTMP / MPEG-DASH). It includes a video engine for different WebTV formats (HLS, RTMP, MPEG DASH) and a configurable, multi-device web portal for accessing services through a browser, with the option of restricted access using tokens and with an interface for integration with payment gateways.	1
180012	STB IP BASIC	IPTV receiver for OTT by EK	1
180035	STB PROF <b>N</b>	IPTV 4K receiver for OTT by EK	1
280049	EK EPG	Flexible Electronic Program Guide (EPG) generation service for OTT and DVB platforms. Management from the cloud via web interface	1
311008	EK SOP	Servers remote support and commissioning	1

\*Consult annual license

**HOSPITALITY/ SOCIAL HEALTH/IPTV/ CHROMECASTING**

280029	EK STREAM BASIC <b>N</b>	Transcoder MPEG-2 / H-264 / H265 for TV channels (up to 4 SD or 2 HD). IP input / output. Bidirectional conversion capability between multicast protocols and WebTV (HLS / RTMP / MPEG-DASH). CM module format. Power supply not included	1
280044	EK STREAM PLUS	Transcoder MPEG-2 / H-264 / H265 for TV channels (up to 30 SD or 15 HD). IP input / output. Bidirectional conversion capability between multicast protocols and WebTV (HLS / RTMP / MPEG-DASH)	1
280047	EK HOTEL TV	IPTV multicast and WebTV server for hotels. Simplified configuration web portal. Channels list management and customizable information per user. STB IP devices remote management. WebTV channel transmission (HLS / RTMP / MPEG-DASH) and IP multicast. 2 playout services. CM module format. Power supply not included	1



280059	EK HOTEL TV PRO	IPTV multicast and WebTV server for hotels. Simplified configuration web portal. Channels list management and customizable information per user. STB IP devices remote management. WebTV channel transmission (HLS / RTMP / MPEG-DASH) over WiFi for up to 20 SD or 7HD services and 70 users. 2 playout services. Power supply not included	1
280082	MVOD 	VOD option for EK HOTEL TV / EK HEALTH	1
280083	MPT 	Task planner option for EK HOTEL TV / EK HOTEL TV PRO	1
280048	EK HOTEL TV PLUS	IPTV multicast and WebTV server for hotels. Simplified configuration web portal. Channels list management and customizable information per user. STB IP devices remote management. WebTV channel transmission (HLS / RTMP / MPEG-DASH) over WiFi for up to 64 SD or 22HD services and 250 users. Playout 5 services. VOD	1
280064	EK HEALTH	IPTV multicast and WebTV server for hospitals and care homes. Simplified configuration web portal. Channels list management and customizable information according to patient or resident requirements. Create notifications, alerts or alarms addressed to the staff in charge of the patient or resident care. Centralized control for switching receivers off/of and maximum volume limitation. Centralized channel selection and scheduling. WebTV channel transmission (HLS / RTMP / MPEG-DASH) and IP multicast. 2 playout services. CM module format. Power supply not included	1
280065	EK HEALTH PRO	IPTV multicast and WebTV server for hospitals and care homes. Simplified configuration web portal. Channels list management and customizable information according to patient or resident requirements. Create notifications, alerts or alarms addressed to the staff in charge of the patient or resident care. Centralized control for switching receivers off/of and maximum volume limitation. Centralized channel selection and scheduling. WebTV channel transmission (HLS / RTMP / MPEG-DASH) over WiFi for up to 20 SD or 7HD services and 70 users. 2 playout services. Power supply not included	1
280066	EK HEALTH PLUS	IPTV multicast and WebTV server for hospitals and care homes. Simplified configuration web portal. Channels list management and customizable information according to patient or resident requirements. Create notifications, alerts or alarms addressed to the staff in charge of the patient or resident care. Centralized control for switching receivers off/of and maximum volume limitation. Centralized channel selection and scheduling. WebTV channel transmission (HLS / RTMP / MPEG-DASH) over WiFi for up to 64 SD or 22HD services and 250 users. Playout 5 services. VOD	1
082036	FA 510	Modular power supply 5 Vdc - 10 A for EK HOTEL y EK HEALTH	1
080006	CHR TR	Support for 19" rack, 6 units	1
082010	FA 55	Power supply for 1 EK HOTEL y EK HEALTH module	1
180012	STB IP BASIC	IPTV receiver for EK HOTEL TV / EK HEALTH	1
180035	STB PROF 	IPTV 4K receiver for EK HOTEL TV / EK HEALTH	1
180033	MSTB	Simple remote control for STB IP BASIC / STB PROF	1



**EK HOTEL TV PLUS**



**STB IP BASIC**



**EK HEALTH / EK HEALTH PRO**



**EK HEALTH PLUS**



**MSTB**



RGM



EKCAS



CRP installed on TV



SWG 24 L2



EN 2HD-IP



CM IP-TC



UPS 1000

## HOSPITALITY / CHROMECASTING

280070	RGM N	Multi-port router (10 x 1Gb)	1
280055	EK CAST MINI	Chromecast management server for up to 40 devices (L CAST license included). Desktop format	1
280053	EK CAST	Chromecast management RACK server for up to 250 users	1
280084	EK CAST PLUS N	Chromecast management RACK server for up to 500 users	1
283001	CHROMECAST	EK CAST room dongle device	1
280077	ACRJ N	RJ45 adapter for Chromecast	1
280054	DPC	Chromecast Fixing / Protection Device	1
280062	CRP	Chromecast device with assembled protector (DPC)	1
125004	CHD CR	0.5 m male-female HDMI cable	1
280056	L CAST	Licenses for Chromecast devices (based on the number of devices managed by the server)	1
280057	C CAST	Chromecast configuration service inside EK CAST server. Optional	1
280058	IPMS	Integration with PMS CHAR (EK HOTEL TV, EK CAST, Professional HotSpot)	1
311008	EK SOP	Servers remote support and commissioning	1

## MANAGED SWITCH

334200	SWG 24 L2	Ethernet Layer2 Managed Switch . 24 ports x 1Gbps Ethernet + 4 x SFP 1Gbps	1
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## TWIN ENCODER/STREAMER

284001	EN 2HD-IP N	2 HDMI inputs encoder/streamer. IP multicast / HLS / RTMP output for local network or online transmission. Up to 25 simultaneous users	1/18
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## IP TO DVB T/C PROGRAMMABLE HEADENDS

082018	CM IP-TC	IP input 15 services SPTS / MPTS. 100Mbps. RTP / UDP. Output level: 95dBµV. MER >35dB. 4 RF output muxes (adjacent). Programming by PC connected to power supply. Remote control on-board via power supply	1
082019	CM IP CI-TC	IP input + 2 x Common Interface. 15 services SPTS / MPTS. 100Mbps. RTP / UDP. 2 slots CI. 2Output level: 95dBµV. MER >35dB. 4 RF output muxes (adjacent). Programming by PC connected to power supply. Remote control on-board via power supply	1
082009	FA 524	Modular power supply 5 Vdc - 24 A with remote control	1
080006	CHR TR	Support for 19" rack, 6 units	1

## HDMI/AV TO IP HEADENDS

082007	CM 4AV-IP	Streamer 4 x AV to IP. 100 Mbps. Remultiplexing of 4 x AV inputs to IP. Programming by PC connected to power supply. Remote control on-board via power supply FA 524	1
082008	CM 4HD-IP	Streamer 4 x HDMI to IP. 100 Mbps. Remultiplexing of 4 HDMI inputs to IP. Programming by PC connected to power supply. Remote control on-board via power supply FA 524	1

## UPS

312004	UPS 1000	1KVA online UPS. 92% AC/AC efficiency. Power factor 0.9. Autonomy 9 minutes. Display and rack format 19"	1
312005	PB UPS	External batteries	1
312006	SNMP UPS	SNMP control board	1

# 06

## CATV / HFC TRANSMISSION - OPTICAL RECEPTION





AC 129 TR



JXP X



JMP -1 / STI-3.5 / TSI-1/9



FA 6AC



MCAL 381 LR



MAA 22



TO 3 1310

## LINE / TELEDISTRIBUTION AMPLIFIERS

### REMOTE-POWERED CATV

102007	AC 129 TR	CATV bidirectional trunk amplifier remotely powered. G: 39dB (85-1006MHz) / -2,5/25dB selectable (5-65MHz). Output level: 129dBμV (DIN 45004B / 115dBμV 42 channels CENELEC). Working voltage VAC. Connectors PG11. IP64	1
102008	JMP-1	Direct pass for HFC nodes and amplifiers	1
102009	STI-3,5	Signal splitter (-3,5/-3,5dB) for HFC nodes and amplifiers	1
102010	TSI-1/9	Signal TAP (-1/-9dB) for HFC nodes and amplifiers	1
102011	JXP 0	Attenuator 0dB for HFC nodes and amplifiers	10
102012	JXP 2	Attenuator 2dB for HFC nodes and amplifiers	10
102013	JXP 3	Attenuator 3dB for HFC nodes and amplifiers	10
102014	JXP 6	Attenuator 6dB for HFC nodes and amplifiers	10
102015	JXP 9	Attenuator 9dB for HFC nodes and amplifiers	10
102016	JXP 12	Attenuator 12dB for HFC nodes and amplifiers	10
161012	A 11-58	PG11 to 5/8 adapter	1
161011	C 58-11	5/8 connector for cable 10/11mm outdoor diameter	1/20
161013	C 58-15	5/8 connector for cable 15/16mm outdoor diameter	1
161014	A 58-F	5/8 adapter to F connector	1

### REMOTE POWER SUPPLY

102020	FA 6AC	AC 6A power supply with included injector	1
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### SELF-POWERED CATV

061007	MCAL 381LR	Micro-broadband / line amplifier 1 input with SAW filter (87 - 790MHz) and passive return path 5-65MHz. G: 32dB (47MHz) -38dB (790MHz). Output level: (DIN 45004B): 117dBμV (VHF) - 114dBμV (UHF). A Class. Compatible with EKOAX	10/60
102006	AC 118 R	Line amplifier with passive return path 5-65MHz. Direct frequency: 87-1000MHz. G: 38dB. Output level: (DIN 45004B) 118dBμV. TEST: -20DB. Compatible with EKOAX	6/24

## INDOOR AMPLIFIERS

### DTT/CATV WITH RETURN PATH

111009	MAA 22	Micro indoor amplifier with return path. 1 input (5-65/88-1000 MHz) / 1 output. G: 12-17-22dB. Output level (DIN 45004B): 110 dBμV. Compatible with EKOAX	10/60
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## OPTICAL TRANSMITTERS, SPLITTERS AND RECEIVERS

### OPTICAL TRANSMITTERS BASIC SERIE

271017	TO 3 1310	Optical transmitter IN 47-862 MHz / OUT 1310 nm, FP laser. Optical power 3 dBm. SC / APC	1
271001	TO 3 FI	Optical transmitter IN 47-2600 MHz / OUT 1310 nm, DFB laser. Optical power 3 dBm. SC / APC	1

OPTICAL TRANSMITTERS CM SERIE			
274101	CM TO 3-1310 <b>E</b>	Optical transmitter IN 47-1000MHz / OUT 1310nm DFB laser. Optical power 3dBm. SC / APC. Power supply included	1
274100	CM TO 3 FI-1310	Modular optical transmitter IN 47-2600 MHz / OUT 1310 nm, DFB laser. Optical power 3 dBm. SC / APC. Power supply included	1
274102	CM TO 10 FI-1550	Modular optical transmitter IN 47-2600 MHz / OUT 1550 nm, DFB laser. Optical power 10 dBm. SC / APC. Power supply included	1



CM TO 3-1310

OPTICAL SPLITTER CM SERIES			
274103	CM RF 2	2-way optical splitter compatible with CM headend modules	1
274104	CM RF 4	4-way optical splitter compatible with CM headend modules	1
274105	CM RF 8	8-way optical splitter compatible with CM headend modules	1



CM RF 8

**INSTALLATION**

080005	CHM TR	Wall-mount support, 6 units	1
080008	CH 3 TR	Wall-mount support, 3 units	1
080006	CHR TR	Support for 19" rack, 6 units	1



SSCF

SSCF + SCF 8

**OPTICAL COMPACT SPLITTERS**

366133	SCF 2	Fiber optic PLC modular (cassette) splitter 1x2 with SC/APC connectors	1
366134	SCF 4	Fiber optic PLC modular (cassette) splitter 1x4 with SC/APC connectors	1
366135	SCF 8	Fiber optic PLC modular (cassette) splitter 1x8 with SC/APC connectors	1
366136	SCF 16	Fiber optic PLC modular (cassette) splitter 1x16 with SC/APC connectors	1
366137	SCF 32	Fiber optic PLC modular (cassette) splitter 1x4 with SC/APC connectors	1
366138	SSCF	Wall fixing bracket for SCF splitters	1



RO 4 LR

**HEADEND OPTICAL RECEIVER 5-200 MHZ**

275001	RO 4LR	Headend optical receiver for return path. QUAD 1200-1620nm. Optical input power: -23 - 0dbm. Output: 5-200MHz 60dBμV. TEST -20dB	1
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RO 88 AGC

**OPTICAL RECEIVER 1GHz**

270002	RO 88 AGC	Optical receiver FTTH. IN 1260-1620 nm / OUT 47-862 MHz. Output level 88 dBuV. SC / APC	1
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**OPTICAL RECEIVER 2,6 GHz**

270003	RO 90 FI AGC	Optical receiver FTTH. IN 1260-1620 nm / OUT 47-2600 MHz. Output level 90-70 dBuV. SC / APC	1
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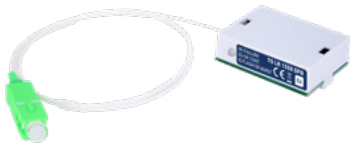
RO 90 FI AGC



ON 129 AC



ON 123



TO LR XXXX



JXP X



JMP -1 / STI-3.5 / TSI-1/9

OPTICAL NODES

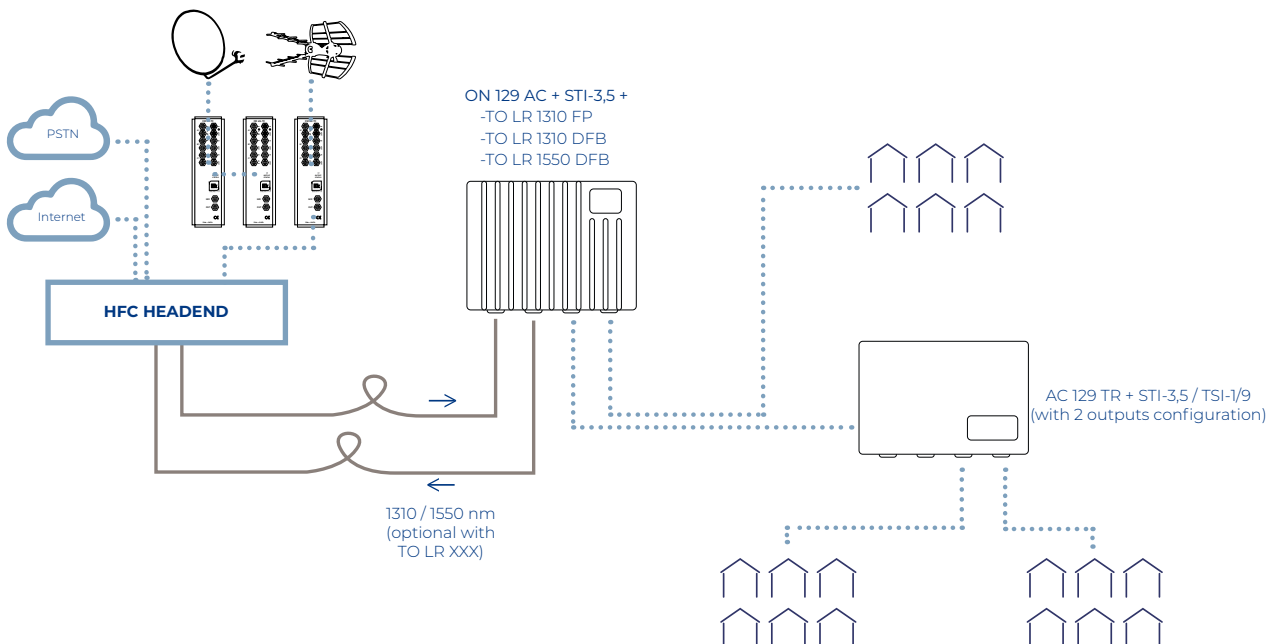
HFC OPTICAL NODES 1GHz DOCSIS 3.0

273002	ON 129 AC	Optical node 87-1002MHz. Ready to plug-in TX 5-65MHz. Output level: 129dBµV (DIN 45004B / 114dBµV 42 Ch. CENELEC). Working voltage VAC. PG11 connectors. IP64	1
273001	ON 123	Optical node 87-1002MHz. Ready to plug-in TX 5-65MHz. Output level: 123dBµV (DIN 45004B / 109dBµV 42 Ch. CENELEC) Working voltage 230Vac. F connectors. IP64	1
274001	TO LR 1310 FP	Plug-in optical transmitter for ON xxx nodes. Laser 1310nm FP. Optical power 0dBm. Status indicator	1
274002	TO LR 1310 DFB	Plug-in optical transmitter for ON xxx nodes. Laser 1310nm DFB. Optical power 3dBm. Status indicator	1
274003	TO LR 1550 DFB	Plug-in optical transmitter for ON xxx nodes. Laser 1550nm DFB. Optical power 3dBm. Status indicator	1
274005	TO XX CWDM	Plug-in optical transmitter for ON xxx nodes. CWDM laser with wavelength on demand. Optical output power 3dBm. Status indicator	1

1GHz OPTICAL NODE ACCESSORIES

102008	JMP-1	Direct pass for HFC nodes and amplifiers	1
102009	STI-3,5	Signal splitter (-3,5/-3,5dB) for HFC nodes and amplifiers	1
102010	TSI-1/9	Signal TAP (-1/-9dB) for HFC nodes and amplifiers	1
102011	JXP 0	Attenuator 0dB for HFC nodes and amplifiers	10
102012	JXP 2	Attenuator 2dB for HFC nodes and amplifiers	10
102013	JXP 3	Attenuator 3dB for HFC nodes and amplifiers	10
102014	JXP 6	Attenuator 6dB for HFC nodes and amplifiers	10
102015	JXP 9	Attenuator 9dB for HFC nodes and amplifiers	10
102016	JXP 12	Attenuator 12dB for HFC nodes and amplifiers	10
274004	2FPG11	Adapter for 2 fibers to PG11 for HFC nodes and amplifiers	1

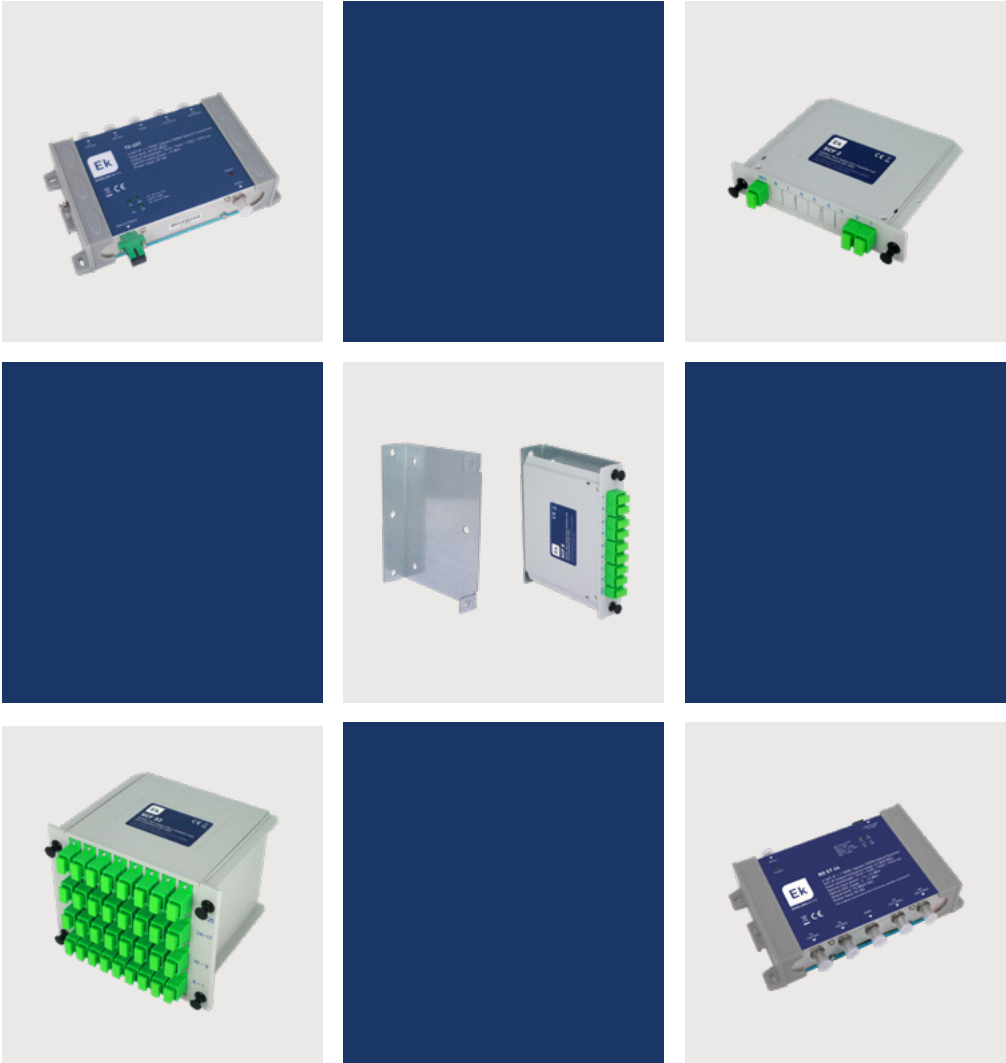
HFC NETWORK EXAMPLE





# 07

## DTT / SAT OVER FIBER





**TO 4ST**



**SSCF**



**SSCF + SCF 8**



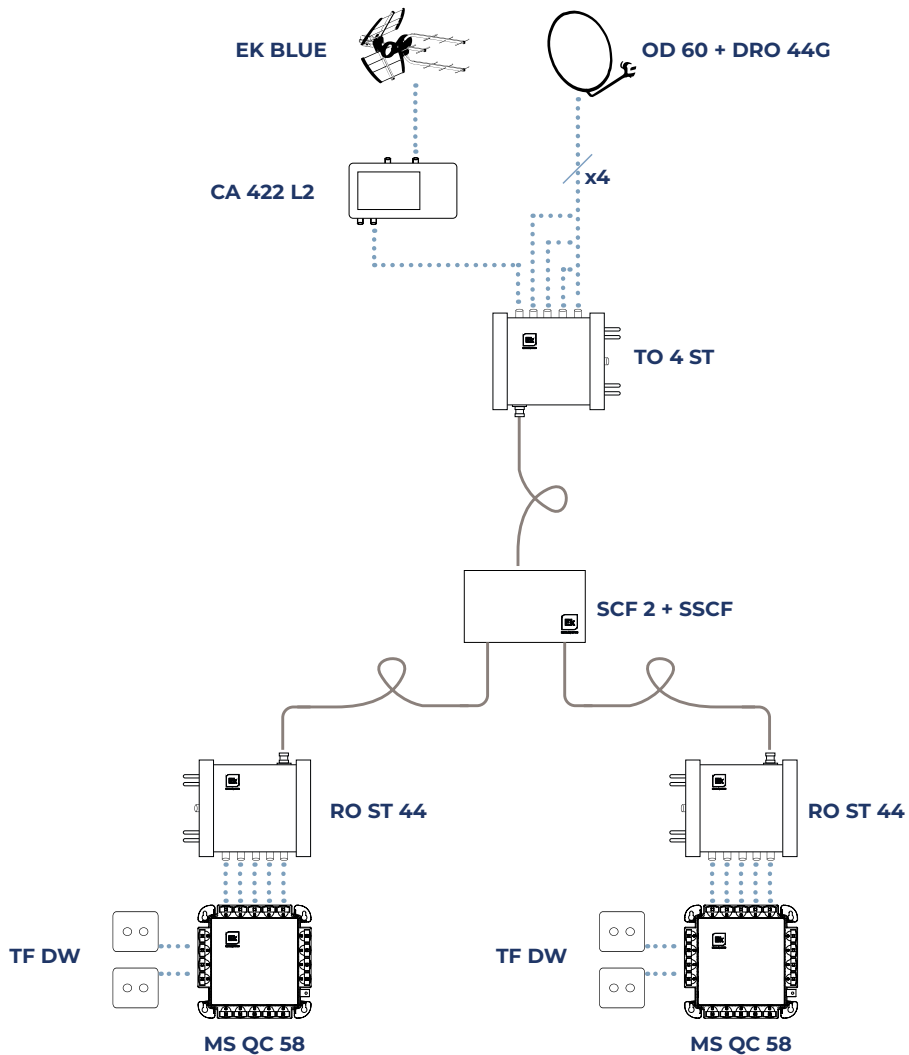
**RO ST 44**

**TER + SAT (4 POL) IN ONE SINGLE FIBER**

276001	TO 4ST	Optical transmitter for 4 polarities SAT + Terrestrial. 4 FI satellite inputs + 1 input 47-862 MHz. Wavelength: 1310 nm. Optical power 3dBm. SC / APC connector. Wall-mounting	1
366133	SCF 2	Fiber optic PLC modular (cassette) splitter 1x2 with SC/APC connectors	1
366134	SCF 4	Fiber optic PLC modular (cassette) splitter 1x4 with SC/APC connectors	1
366135	SCF 8	Fiber optic PLC modular (cassette) splitter 1x8 with SC/APC connectors	1
366136	SCF 16	Fiber optic PLC modular (cassette) splitter 1x16 with SC/APC connectors	1
366137	SCF 32	Fiber optic PLC modular (cassette) splitter 1x4 with SC/APC connectors	1
366138	SSCF	Wall fixing bracket for SCF splitters	1
276003	RO ST 44	Optical receiver for 4 polarities SAT + Terrestrial. 4 outputs HL / HH / VL / VH + 1 output 47-862 MHz. SC / APC fiber connector. Power supply included	1

See available multiswitches on page 16 and 17

**DISTRIBUTION EXAMPLE OF 4 SAT POLARITIES AND TERRESTRIAL THROUGH 1 FIBER**



# 08

## GPON





OLT 8E



OLT 16E



THE BEST OPTION FOR PROFESSIONALS



SWH-TR



TOR 3 GPON · TOR 3 GPON FI



EDFA 1617



UPS 1000



ONT 2W



ONT 4 POE

NETWORK EQUIPMENT

334200	SWG 24 L2	Ethernet Layer2 Managed Switch . 24 ports x 1Gbps Ethernet + 4 x SFP 1Gbps	1
280070	RGM N	Multi-port router (10 x 1Gb)	1

GPON OLTs / MANAGEMENT SERVER

310008	OLT 8E	GPON headend (OLT). 8 downlink ports and 8 uplink ports (2 x 10GE and 6 x GE). Redundant power supply	1
310009	OLT 16E	GPON headend (OLT). 16 downlink ports and 8 uplink ports (2 x 10GE and 6 x GE). Redundant power supply	1
310025	SFP UP	SFP for uplink Ethernet RJ45	1
310036	SFP 10G UP	SFP for 10G uplink Ethernet RJ45	1
310018	SFP C+	SFP for downlink ports C+ type	1
310035	SFP C++	SFP for downlink ports C++ type	1
310040	SWH-BASIC	Desktop server for GPON configuration and aprovisioning for hospitality. TR069. Maximum of 25 ONT.	1
310041	SWH-MINI	Desktop server for GPON configuration and aprovisioning for hospitality. TR069. Maximum of 99 ONT.	1
310026	SWH-TR	Server for GPON configuration and autoprovisioning. Hospitality and small FTTH / FTTR networks	1
311008	EK SOP	Servers remote support and commissioning	1

OPTICAL TRANSMITTER FOR RF OVERLAY HEADENDS

271021	TOR 3 GPON	Professional Optical transmitter IN 47-1000MHz / OUT 1550nm DFB laser. Optical power: 3dBm. SC/APC	1
271020	TOR 3 GPON FI	Professional Optical transmitter IN 47-2600MHz / OUT 1550nm DFB laser. Optical power: 3dBm. SC/APC	1

GPON EDFAs FOR RF OVERLAY

310023	EDFA 812	8-way optical amplifier 1550nm + multiplexer 1490nm and 1310nm. Total optical power: 24dBm. Optical power / port: 12dBm	1
310010	EDFA 816	8-way optical amplifier 1550nm + multiplexer 1490nm and 1310nm. Total optical power: 27dBm. Optical power / port: 16,5dBm	1
310011	EDFA 1617	16-way optical amplifier 1550nm + multiplexer 1490nm and 1310nm. Total optical power: 31dBm. Optical power / port: 17dBm	1
310022	EDFA 3219	32-way optical amplifier 1550nm + multiplexer 1490nm and 1310nm. Total optical power: 37dBm. Optical power / port: 19,2dBm	1

UPS

312004	UPS 1000	1KVA online UPS. 92% AC/AC efficiency. Power factor 0.9. Autonomy 9 minutes. Display and rack format 19"	1
312005	PB UPS	External batteries	1
312006	SNMP UPS	SNMP control board	1

ONTs

310002	ONT 1	GPON Optical Network Terminal (ONT). 1 port GE	1
310032	ONT 2W	GPON Optical Network Terminal (ONT) + Wireless router. 2 ports GE + 1 port POTS + WiFi b/g/n	1
310017	ONT 4 AC	GPON Optical Network Terminal (ONT) + Wireless router. 4 ports GE + 2 ports POTS + WiFi b/g/n/AC	1
310033	ONT 4 POE	GPON Optical Network Terminal (ONT) + Wireless router. 4 ports GE wit PoE supply 48V (max 48W). SC/ACP	1

## RF OVERLAY OPTICAL RECEIVERS

270004	RO 88 CWD	Active optical receiver 1GHz 1550nm + mux 1490nm/1310nm. Input optical power 2...-10dBm (AGC 0...-12dBm). Output level > 80dBμV	1
270005	RO 68 CWD	Passive optical receiver 1GHz 1550nm + mux 1490nm/1310nm. Input optical power 0...-10dBm. Output level: >62dBμV	1
270006	RO 65 FI CWD	Passive optical receiver 2,4 GHz 1550nm + mux 1490nm/1310nm. Input optical power 0...-10dBm. Output level >60dBμV	1



RO 68 CWD



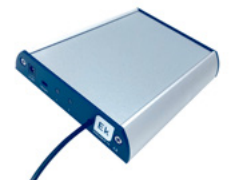
RO 88 CWD

## INDUSTRIAL ONTs

310037	ONT 4 POE IN	Industrial GPON Optical Network Terminal (ONT), 4 ports GE with 48 Vdc PoE (max 60 W). Up to 65° C.	1
310029	ONT IN	Industrial GPON Optical Network Terminal (ONT) + Wireless router. 4 ports GE + 2 ports POTS + WiFi b/g/n/AC. SMA connectors for WiFi 2.4 / 5GHz antennas. DIN rail fixing. Power supply by power terminals	1
310034	ONT IN 24	GPON Optical Network Terminal (ONT) + Wireless router. 4 ports GE + 2 ports POTS + WiFi b/g/n/AC. SMA connectors for WiFi 2.4 / 5GHz antennas. DIN rail fixing. Power supply by power terminals 24Vdc	1
310030	ANT-24	WiFi 2,4GHz antenna for ONT IN. SMA connector	1
310031	ANT-58	WiFi 5GHz antenna for ONT IN. SMA connector	1



ONT 4 POE IN



UPS 16 / 32 / 48

## UPS FOR ONT

312001	UPS 16	UPS for ONTs 16W/h - 12 Vdc	1
312002	UPS 32	UPS for ONTs 32W/h - 12 Vdc	1
312003	UPS 48	UPS for ONTs 148W/h - 12 Vdc	1



RP FO

## MULTI OPERATOR FIBER CABINET

396012	RP FO	2-zone cabinet for 48 SC/APC adapters. 2 trays for up to 48 fusions	1/4
396016	ARP	16 SC/APC adapters plate for RP FO	1/50

## RACKS AND ACCESSORIES

396001	R6 19 450	Rack cabinet 19" 6U 450mm depth	1
396002	R9 19 450	Rack cabinet 19" 9U 450mm depth	1
361015	BER	Sockets base for 19" rack	1
361016	BF 1U-300	Fixed 19" rack tray - 1U. Depth 300mm. For racks depth 450mm	39
361017	BF 2U-300	Fixed 19" rack tray - 2U. Depth 300mm. For racks depth 450mm	44
361014	BF 2U	Fixed tray rack 19" 2U. Depth 40cm	1
397001	PC 1 19	Blind panel 1U rack 19 "	1
397002	PC 2 19	Blind panel 2U rack 19 "	1
397003	GC 19	Wires guide for 19 " rack 1U	1
397004	PPC 19	Lead-through for 19" rack 1U	1



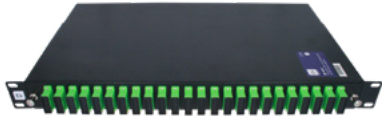
BER



180° turn  
for rack or  
wall support



BF 2U-300



BF 48 C



Highly stable  
pull-out tray



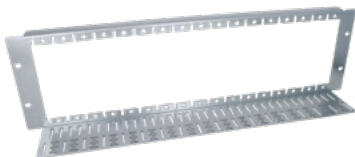
EDD 8



CFD 16



SCF 32



BSCFR



SP FO 16

## FIBER TRAYS AND ACCESSORIES

361012	BF 24 C	24p pull-out tray with SC / APC simplex adapters	1/5
361013	BF 48 C	48 ports pull-out tray with 24 SC / APC duplex adapters assembled. Antidust cap protector. 1U	1/5
361018	BF 24 E	24p pull-out tray with mounted SC / APC simplex adapters. Fiber identifier. Antidust cap protector.	1/5
361019	BF 48 E	48 ports pull-out tray with SC / APC simplex adapters assembled. Fiber identifier. Antidust cap protector. 1U	1/5
363001	A SCAPC S	Simplex SC / APC adapter with mounting flange	25/2000
363004	A SCAPC D	Duplex SC / APC adapter with mounting flange	20/1000
363010	T AD	48 screw units bag for SC / APC adapters.	1 Bolsa
363011	TP AD S	Protective cap for front telescopic tray SC connector	1

## FIBER OPTICS DISTRIBUTION BOX

361037	EDD 8	Distribution box with 8 SC/APC mounted adapters and 12 fussions tray. IP65	1
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## DISTRIBUTION BOX

361033	RS 4M	Fiber distribution box 4 fibers. SC/APC adapters included. It includes support for SP FO splitters	1/30
361034	RS 8M	Fiber distribution box 8 fibers. SC/APC adapters included. It includes support for SP FO splitters	1/20
361032	RS 8-12	Fiber distribution box 8 connectorized / 12 fused fibers. SC / APC adapters not included	1/10
361038	RS 12M	Fiber distribution box 12 fibers. SC/APC adapters included. It includes support for SP FO splitters	1/20

## OUTDOOR FTTH BOX

361036	CFD 16	FTTH distribution box, IP65, compatible with SCF splitters	1
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## OPTICAL COMPACT SPLITTERS

366133	SCF 2	Fiber optic PLC modular (cassette) splitter 1x2 with SC/APC connectors	1
366134	SCF 4	Fiber optic PLC modular (cassette) splitter 1x4 with SC/APC connectors	1
366135	SCF 8	Fiber optic PLC modular (cassette) splitter 1x8 with SC/APC connectors	1
366136	SCF 16	Fiber optic PLC modular (cassette) splitter 1x16 with SC/APC connectors	1
366137	SCF 32	Fiber optic PLC modular (cassette) splitter 1x4 with SC/APC connectors	1
366139	BSCFR	Rack for mounting SCF splitters in 19" rack	1
366138	SSCF	Wall fixing bracket for SCF splitters	1

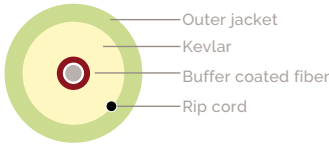
## PLC SPLITTERS

366102	SP FO 2	Fiber optic PLC splitter 1x2 with SC/APC connectors	1/100
366104	SP FO 4	Fiber optic PLC splitter 1x4 with SC/APC connectors	1/100
366108	SP FO 8	Fiber optic PLC splitter 1x8 with SC/APC connectors	1/100
366116	SP FO 16	Fiber optic PLC splitter 1x16 with SC/APC connectors	1/100
366132	SP FO 32	Fiber optic PLC splitter 1x32 with SC/APC connectors	1/100

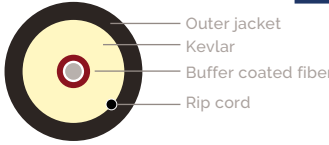


**FIBER CABLE\***

360016	CFO 1-900	1 single-mode fiber wire 900um G657-A2 LSZH CPR Dca white. 500m reel	1
360017	CFO 1-900N	1 single-mode fiber wire 900um G657-A2 LSZH CPR Dca black. 500m reel	1
360018	CFO 1-900 ARM	1 single-mode fiber armoured wire 900um G657-A2 LSZH CPR Dca black. 500m reel	1
360009	CFO 2 900-D	2 single-mode fibers wire 900um G657-A2 LSZH CPR Dca for indoor installations. 500m reel	1
360008	CFO 2 900N <b>E</b>	2 single-mode fibers wire 900um G657-A2 PE black for outdoor installations. 500m coil	1
360019	CFO 2-600 ARM <b>E</b>	2 single-mode fiber armoured wires 900um G657-A2 LSZH CPR Dca clack. 500m reel	1
360010	CFO 12 900-D	12 single-mode tight-buffered fibers wire 900um G657-A2 LSZH CPR Dca. Packed by meter	m
360011	CFO 24 900-D	24 single-mode tight-buffered fibers wire 900um G657-A2 LSZH CPR Dca. Packed by meter	m
360012	CFO 48 900-D	48 single-mode tight-buffered fibers wire 900um G657-A2 LSZH CPR Dca. Packed by meter	m
360023	CFO 24 ARM	24 fibers PSP armored Cable. 3 loose tubes with 8 fibers. 250D. SM G652D. Black PE outer jacket	m
360024	CFO 48 ARM	48 fibers PSP armored Cable. 4 loose tubes with 12 fibers. 250D. SM G652D. Black PE outer jacket	m
360007	CFC	Fiber cutting service	1
360015	CPF	Big reel for fiber optical cable	1
360020	CPF 2	Small reel for fiber optical cable	1



**CFO 1900** **CPR Dca**



**CFO 1900N**



**CFO 1900 ARM**



**CFO 2 600 ARM**



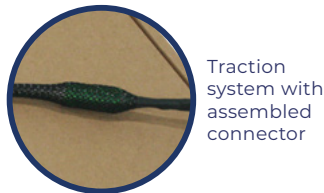
**CPR Dca**

**PT XX F**



**CPR Dca**

**PC XX FEK**



Traction system with assembled connector

**SC / APC FLEXIBLE CONNECTOR PIGTAIL\***

362022	PT 12 F <b>E</b>	Fiber pigtail with flexible SC / APC connector. Length 12 m. CPR Dca	1/16
362023	PT 18 F <b>E</b>	Fiber pigtail with flexible SC / APC connector. Length 18 m. CPR Dca	1/16
362024	PT 24 F <b>E</b>	Fiber pigtail with flexible SC / APC connector. Length 24 m. CPR Dca	1/16

**FIBER PATCHCORDS WITH FLEXIBLE CONNECTORS\***

362007	PC 12 FEK <b>E</b>	3mm patch cord with flexible SC / APC connectors. Length 12 m. With traction system at one end. CPR Dca	1/16
362008	PC 18 FEK <b>E</b>	3mm patch cord with flexible SC / APC connectors. Length 18 m. With traction system at one end. CPR Dca	1/16
362009	PC 24 FEK <b>E</b>	3mm patch cord with flexible SC / APC connectors. Length 24 m. With traction system at one end. CPR Dca	1/16

**900 UM FIBER PIGTAILS**

362021	PT 150	900um pigtail fiber SC / APC connectors. Length 0.5m	1/25
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**PT 150**

See available EK ROLLER range in pages 33, 34 and 37



PC SA-200



RT 1 A PT



RT FO



A SCAPC S



A SCAPC AD



CM SA

**PATCH CORDS**

362002	PC SA 25	3mm patch cord fiber with SC / APC connectors. Length 25 cm	1/250
362001	PC SA 100	3mm patch cord fiber with SC / APC connectors. Length 1 m	1/250
362005	PC SA-200	3mm patch cord fiber with SC / APC connectors. Length 2 m	1/250
362003	PC SA-P 25	3mm hybrid patch cord with SC / APC and SC / PC connectors. Length 25 cm	1/250
362004	PC SA-P200	3mm hybrid patch cord with SC / APC and SC / PC connectors. Length 2m	1/250

**TERMINAL BOX WTH PIGTAIL**

361102	RT 1 A PTC	Optical fiber terminal box with one SC/APC adapter and pigtail	1/25
361103	RT 1 A PT	Optical fiber terminal box with protection with one SC/APC adapter and pigtail	1/25

**TERMINAL BOX AND ADAPTORS**

361101	RT FO	Empty optical fiber terminal rosette box. SC / APC adapters not included	1/25
363001	A SCAPC S	Simplex SC / APC adapter with mounting flange	50/2000
363002	A SCAPC S W	Simplex SC / APC adapter without mounting flange	50/2000
363003	A SCAPC AD	Simplex SC / APC adapter with anti dust cap	25/2000
363011	TP AD S	Protective cap for front telescopic tray SC connector	100
366001	PFF 45	50 pcs 50mm heat shrinkable bag for mergers.	1

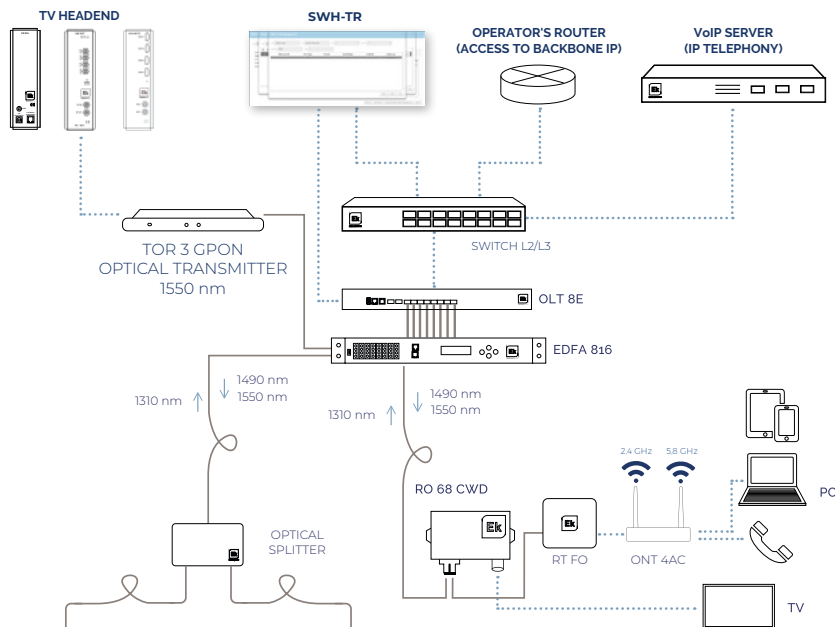
**FIBER CONNECTOR**

363021	CM SA	Mechanical SC / APC connector for fiber	10/100
--------	-------	---	--------

**TOOLS**

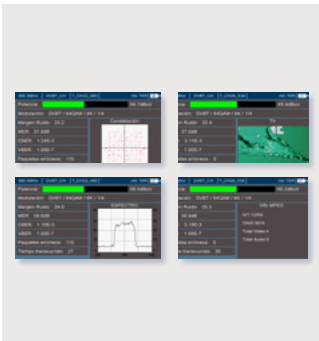
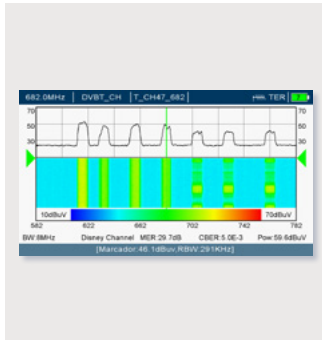
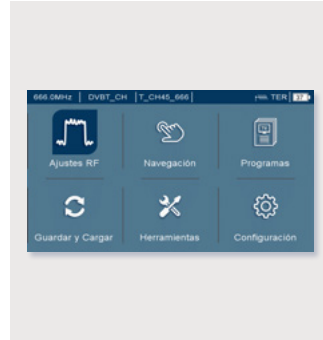
364001	H PF	Fiber peeling tool 3 holes	1
364002	H TJ	Scissors for optical fiber	1

**GPON BY EK: FTTH / FTTR FIBER OPTIC NETWORKS SOLUTION**



# 09

## SIGNAL METERS



Freq Name	Freq. (MHz)	Power (dBm)	MCS	Modulation	QPSK	QAM
1.0001_078	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
1.0001_080	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
1.0001_082	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
1.0001_084	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
1.0001_086	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
1.0001_088	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
1.0001_090	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
1.0001_092	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
1.0001_094	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
1.0001_096	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
1.0001_098	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
1.0001_100	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001



METEK HDD

## METEK HDD

240003	METEK HDD	Professional field meter DVBT/T2 - S/S2- C. Dolby DD+	1
241001	C MTK	METEK calibration service	1
240009	FA MK	Replacement power supply for METEK meters	1
241004	BLMK	Replacement carrying bag	1
241005	CNMK	Replacement belt	1

# M E T E K HDD

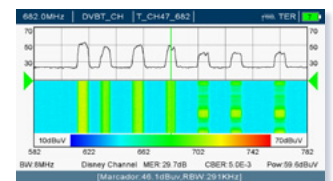


NOW WITH  
DATALOGGER  
INCLUDED\*

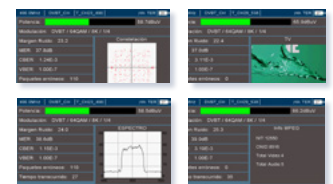
\* Free update for Ek clients



Main menu



**Spectrogram.** Identification of the evolution of signals



Various modes of display combination

- DVB-S2/S, DVB-T2/T, DVB-C Demodulation and analysis
- High-resolution 7-inch TFT-LCD screen
- High quality DSP Spectrum from 50-2200MHz with 50dB of onscreen dynamic range
- Supports HEVC(H.265), H.264 and MPEG2 decoding, SD & HD
- Single F Male connector input featuring a fully automatic attenuator with channel power of up to 120dBµV in 5dB steps
- Measures Channel power, Noise margin, MER, CBER, VBER, TS Errors, Constellation
- RF power supply from 5 to 24V, in 1V steps
- Supports Dseqc 2.0, SATCR and DCSS
- Special spectrum modes (Max Hold, Spectrogram) for interference detection and LTE Measuring
- Efficient and user friendly User Interface
- Full TS recording to external USB drive
- Standard 6h battery life per charge
- Supports automatic adjustment of screen brightness
- Supports spectrum + TV decoding, and spectrum + MPEG information simultaneously
- Standby mode for instant power on
- Multi-function wheel navigation
- Screen capture to external USB drive with a dedicated button
- SAT support, TP update separately via USB or FTP (WiFi)
- Firmware updates through USB or FTP (WiFi)
- EAC3 Dolby DD + codec
- Includes a second transport belt
- USB memory for capture storage

# 10

## EKOAX. INTERNET OVER COAXIAL





IPC-BMH



IPC M300



IPC-M2



IPC-B MINI



MI RP



MI RP IEC



KIT IP



KIT IP-W



GIGABOX

## EKOAX (INTERNET OVER COAXIAL)

### SINGLE MASTER HOME SOLUTION

250015	IPC-BMH	Indoor mini master 1 RJ45 for EKOAX system. Up to 6 IPC-S. Transmission of IP data over coaxial cable. 1 Gbps-HDTV. RF mix. Transmission frequency of IP data: 7,5 - 65 MHz. Output level: 120 dBuV. Working voltage: 12 Vdc. Power supply included	1/80
--------	---------	---	------

### MASTER PROFESSIONAL SOLUTION

250003	IPC-M2 <b>E</b>	Headend module for EKOAX system. Transmission of IP data over coaxial cable. 1 Gbps-HDTV. RF mix. Transmission frequency of IP data: 7,5 - 65 MHz. Output level: 120 dBuV. Working voltage: 12 Vdc. Power supply included	1
132001	MI RP	Mix-demux for DATA (5-65 MHz) + TV-SAT (85-2300 MHz) for EKOAX system	10/100

### USER UNIT

250017	IPC-S2 <b>E</b>	Slave module for EKOAX system. For reception of IP data over coaxial cable. 1 Gbps-HDTV- RF in / out. WiFi, 4 LAN ports, 2 WiFi Antennas (300 Mbps)	1/20
250013	IPC-B MINI	Mini slave module for EKOAX system. For reception of IP data over coaxial cable. 1 Gbps-HDTV- RF in. WiFi, 1 LAN port. Bridge mode.	1/80
132002	MI RP IEC	Mix-demux for DATA (5-65 MHz) + TV-SAT (85-2300 MHz) for EKOAX system. IEC connector for wall-socket connection, for IPC-B	10/100

### IPTV EXTENDER KIT

250022	KIT IP	Kit for IPTV extension over coaxial	1
250023	KIT IP-W	Kit for IPTV and WiFi extension over coaxial	1
250025	KIT IP AC	Kit for IPTV and WiFi AC (2,4/5 GHz) extension over coaxial	1

### EKOAX PLUS

250019	IPC M300	EKOAX PLUS master module for coaxial data transmission. RF mix Frequency: 7.5 - 65 MHz. Output level: 115 dBuV. Self-powered 230VAC	1
250020	IPC 24	EKOAX PLUS slave module for coaxial data reception. RF in / out. WiFi b / g / n 2.4 GHz, 4 LAN ports. 2 antennas. 300 Mbps	1/20
250021	IPC AC	EKOAX PLUS slave module for coaxial data reception. RF in / out. WiFi b/g/n/AC 2.4/5 GHz, 4 LAN ports. 2 antennas	1/20
311008	EK SOP	Servers remote support and commissioning	1

### GIGAekoax

250026	GIGABOX	Data over coaxial smart terminal. Up to 16 primary/secondary devices. RF in/out. Frequency band 5-100 MHz. 1 Gbps port	1/20
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## EKOAX PLUS INTERNET OVER COAXIAL CABLE

The EKOAX PLUS system from Ekselans by ITS have been specially designed to convert the coaxial network into a data

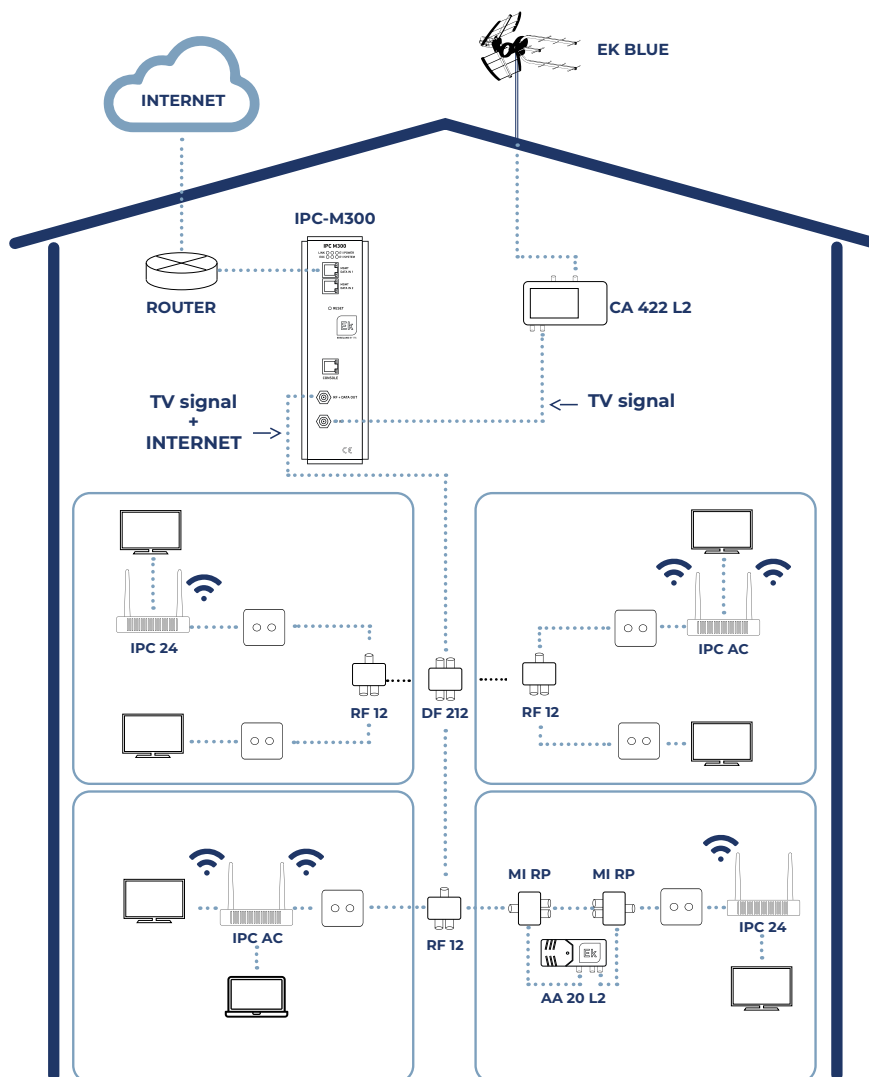
EKOAX PLUS equipment allows to transmit and receive the internet signal through the existing coaxial cable of a television installation, without the need to intervene on the infrastructure.

Simply by adding a master head unit (IPC-M2 / IPC-M300) and a user equipment (IPC-S2 / IPC24 / IPCAC) at each point to which the internet signal is to be carried, the television installation can be updated to transmit IP data with high speed. The user device also acts as a WiFi router so you can create a wireless network easily and with quality wherever the IPC S2 / 24 / AC comes installed.

A single master device allows managing up to 253 user equipment with encrypted communications with each of them. It is also possible to increase the number of user devices using the same network, simply by installing new master equipment in parallel.

## GIGA EKOAX. THE EVOLUTION FOR 1 Gbps COMMUNICATION OVER COAXIAL CABLE

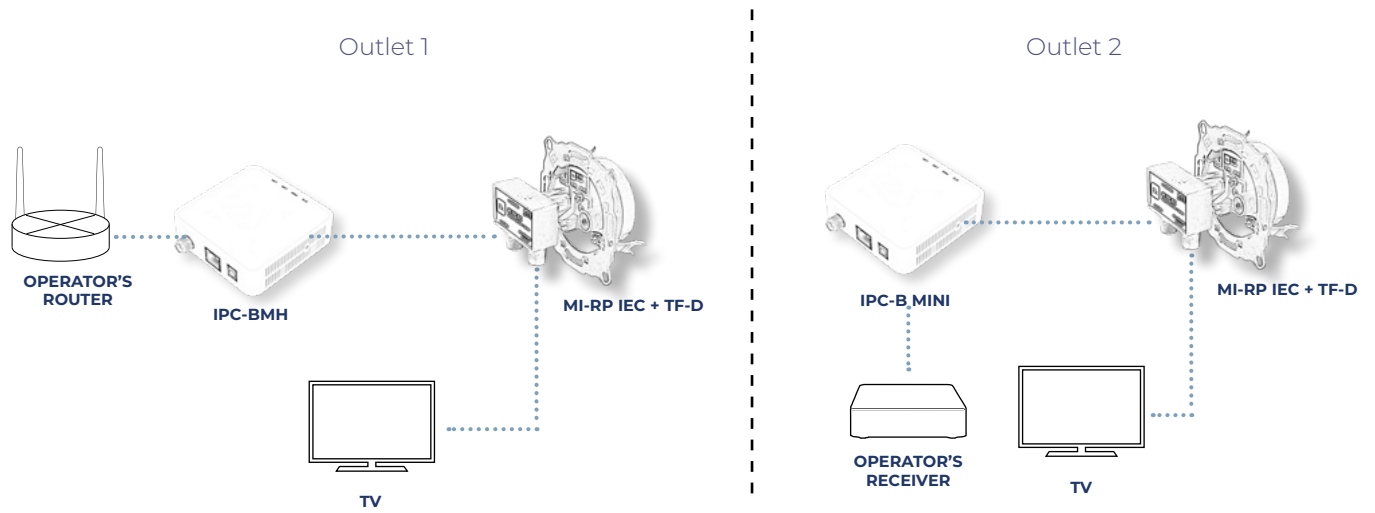
GIGA EKOAX is the new technology that allows very high-speed transmission through coaxial cables. The Gigabox equipment is a smart device that can be installed as a primary or secondary device, detecting automatically what is its function in the installation. With a maximum of 16 devices per installation (1 primary + 15 secondary), Gigabox performs in the 5 to 100 MHz frequency band for true maximum connection of 1 Gbps.



## EXAMPLES OF IPTV EXTENDER KITS INSTALLATION

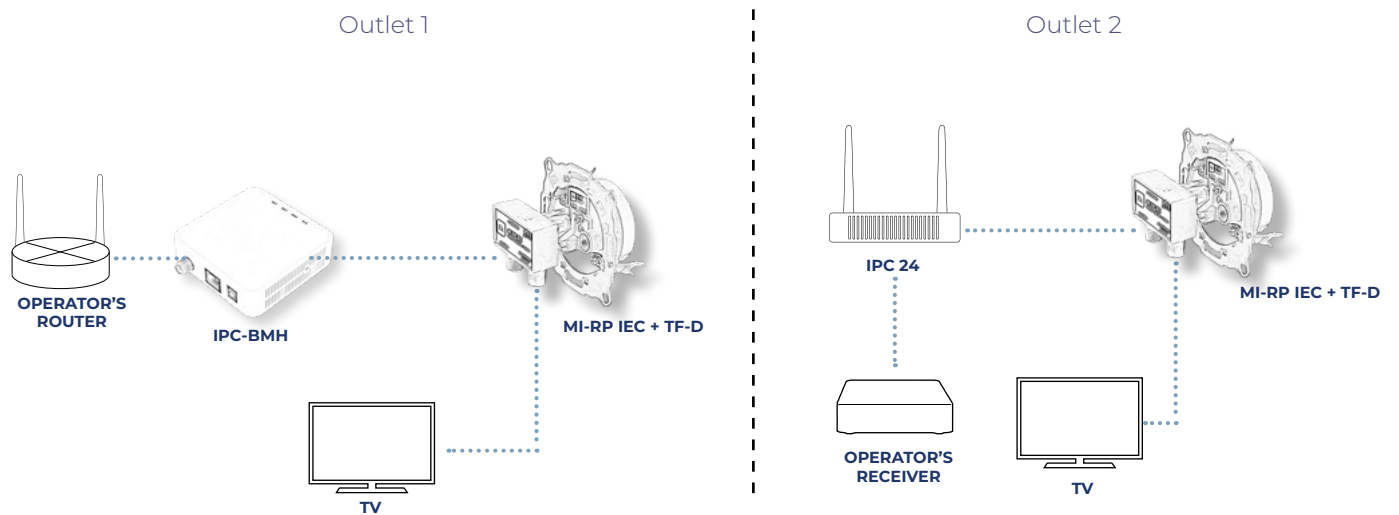
### APPLICATION EXAMPLE FOR KIT-IP IPTV EXTENSION

Allows you to view IPTV at any outlet in the home.



### APPLICATION EXAMPLE FOR WiFi AND IPTV EXTENSION WITH KIT-IP OR KIT IP-AC

Allows you to view IPTV at any outlet in the home and generate a new quality WiFi network for low coverage areas



# 11

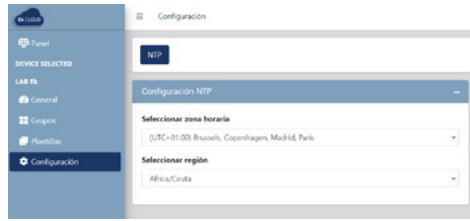
## WiFi, SWITCHES, 4G ROUTERS AND LAN CABLES



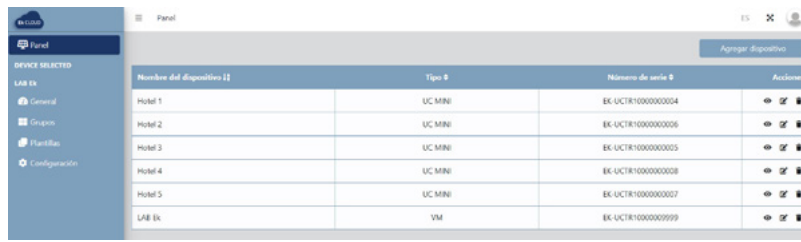
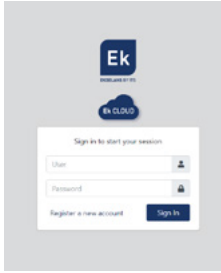
**TR**  
ACCESS POINTS  
PROFESSIONAL WIFI

**SOFTWARE**  
**100%**  
DEVELOPED  
by Ek

**Ek CLOUD**



- ✓ Remote management of the installation without opening ports on the router
- ✓ Control of multiple installations with a single user account
- ✓ Own cloud server under Ek control
- ✓ Compatible with all models of Ek Online controller
- ✓ Simple and intuitive management interface
- ✓ No added costs



**3 YEARS  
FREE  
ACCESS\***

\*For online controllers



**TR 1300 · TR 2200**

**WIFI ACCESS POINTS SYSTEM**

**HIGH DENSITY INDOOR ACCESS POINTS - PROFESSIONAL TR SERIES**

331000	TR 1300	Access Point 2T2R, 27dBm 2,4GHz/5 GHz. 1300Mbps (400+900), WiFi 802.11 b/g/n/ac Wave2. PoE 48V. 2 ports 10/100/1000Mbps. High density	1
331001	TR 2200	Access Point 2T2R, 27dBm 2,4GHz/5 GHz. 2200Mbps (400+900+900), WiFi 802.11 b/g/n/ac Wave 2, PoE 48V. 2 ports 10/100/1000Mbps. High density	1

**INDOOR ACCESS POINTS - PROFESSIONAL TR SERIES**

331006	TR 750	Access Point 2T2R, 27dBm 2,4GHz/5 GHz. 750Mbps, WiFi 802.11 b/g/n/ac Wave 2, PoE 48V. 2 RJ45 ports.	1
331007	TR 1200	Access Point 2T2R, 30dBm 2,4GHz/5 GHz. 1200Mbps, WiFi 802.11 b/g/n/ac Wave 2, PoE 48V. 2 RJ45 ports.	1

**OMNIDIRECTIONAL OUTDOOR ACCESS POINTS - PROFESSIONAL TR SERIES**

331008	TR 1200 OLP	Omnidirectional Outdoor CPE/AP, 27 dBm, 2,4 / 5 GHz. 1200Mbps, WiFi 802.11 b/g/n/ac , with internal antennas. 2 ports 10/100/1000Mbps. PoE 48Vdc.	1/10
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**LAN CONTROLLER - PROFESSIONAL TR SERIES**

-	CSW	PC software for TR series control and provisioning. Available at <a href="http://www.ek.plus/software">www.ek.plus/software</a>	-
331009	UC MINI	Desktop format control and provisioning unit. Power supply from PC. Maximum 50 access points	1
331002	UC TRB	Desktop format control and provisioning unit. Power supply included. Maximum 300 access points	1
331003	UC TR	Control and provisioning unit compatible with CM modular headend. Power supply not included. Maximum 300 access points	1
331010	UC RACK	19" rack format control and provisioning unit. Power supply not included. Maximum 300 access points	1
331011	UC EK	19" rack format control and provisioning unit. Power supply not included. Maximum 2000 access points	1



**UC TRB**



**UC TR · UC HS**



**UC MINI**

See additional information on page 74

082010	FA 55	Power supply for 1 module CM headend	1
082036	FA 510	Modular power supply 5 Vdc - 10 A.	1
080008	CH 3 TR	Wall-mount support, 3 units	1
311008	EK SOP	Servers remote support and commissioning	1



UC HS MINI



UC HS19



AP 1200 W2

**LAN CONTROLLER + HOTSPOT - PROFESSIONAL TR SERIES**

331012	UC HS MINI	Control and provisioning unit + professional HotSpot in modular format. Power supply included. Maximum 16 access points + 80 simultaneous users	1
331004	UC HS	Control and provisioning unit + professional HotSpot in modular format. Power supply not included. Maximum 25 access points + 100 simultaneous users	1
331005	UC HS19	Control and provisioning unit + professional HotSpot in 19" rack format. Maximum 25 access points + 100 simultaneous users	1
331013	UC HS RACK	Control and provisioning unit + professional HotSpot in 19" rack format. Maximum 250 access points + 500 simultaneous users	1

**INDOOR ACCESS POINTS - AP SERIES**

330004	AP 300 LP	Access Point 2T2R, 23dBm 2,4GHz. 300Mbps, PoE 24V, 1 port RJ45, Inserter included	1/20
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CPE 300-24V2

**OUTDOOR APs FOR POINT-TO-POINT LINKS - CPE SERIES**

333013	CPE 300-24V2	KIT 2 units. Output CPE/AP. 20dBm 300Mbps, 2,4GHz. PoE 24Vdc. 1 port RJ45, POE inserter included	1/10
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**PoE INJECTORS**

332001	POE 24	PoE 24Vdc inserter. 10/100/1000 Mbps	1/100
332002	POE 48	PoE 48Vdc inserter. 100/100/1000 Mbps	1/90



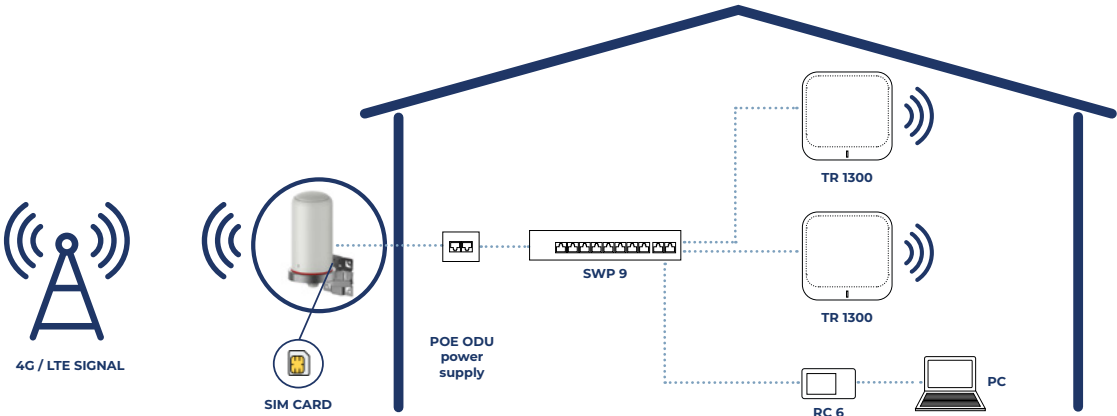
POE 48

**OUTDOOR 4G ROUTER - ODU**

333014	ODU LTE 4G	4G LTE Cat 16 omnidirectional outdoor router with support included. TDD DownLink 700Mbps UpLink 30Mbps. FDD DownLink 900Mbps UpLink 150Mbps. PoE in:19V/1.26A included.	1/48
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ODU LTE 4G



SIM card



SWG 24 L2



SWP 5



SWP 26



SW5 BP

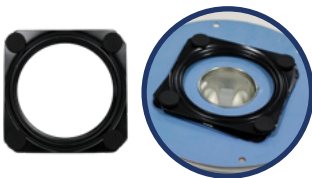


SW8 M



EK ROLLER

CLUR 6 CUD



EK ROLLER



EK ROLLER COIL UNWINDING

SWITCHES

MANAGED SWITCH

334200	SWG 24 L2	Switch Ethernet Layer2. 24 puertos x Gb Ethernet + 4 x SFP. 1Gbps	1
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PoE SWITCHES

334001	SWP 5	Switch PoE 4 ports. 4x10/100/1000Mbps. PoE IEEE802.3af/at. 1 uplink port 10/100/1000, 1 uplink port SFP. 72W	1/10
334002	SWP 9	Switch PoE 8 ports. 8x10/100/1000Mbps PoE IEEE802.3af/at. 1 uplink port 10/100/1000, 1 uplink SFP. 120W	1/10
334003	SWP 26	Switch PoE 24 ports. 24x10/100/1000Mbps. PoE IEEE802.3af/at. 1 uplink port 10/100/1000, 1 uplink port SFP. 450W	10

GIGABIT SWITCHES

334100	SW5 BP	Switch Ethernet 5 ports. 10 /100/1000. Plastic housing	1/50
334101	SW8 M	Switch Ethernet 8 ports. 10 /100/1000. Metal housing	1/50
334102	SW24 M	Switch Ethernet 24 ports. 10 /100/1000. 19" Rack	1/5

LAN CABLE

LAN Cable CAT6 EK ROLLER

390018	CLUR 6 CUD N	LAN cable CAT6 U / UTP CU white LSZH CPR Dca. 305m wooden drum for EK ROLLER	1
390019	CLUR 6 CU-E N	LAN Cable CAT6 U / UTP CU Outdoor UV-PE black. 305m wooden drum for EK ROLLER	1
390022	CLUR 6 CUB N	LAN Cable CAT6 U / UTP CU white LZSH CPR B2ca. 305m wooden drum for EK ROLLER	1
390017	CLUR 6 CCA N	LAN Cable CAT6 U / UTP CCA CPR Eca. 305m wooden drum for EK ROLLER	1
390016	CLUR 6 CCA-100 N	LAN Cable CAT6 U / UTP CCA CPR Eca. 100 m reel for EK ROLLER	1

LAN CABLE CAT6A EK ROLLER

390023	CLUR 6A CUD N	LAN Cable CAT6A U / UTP CU white LZSH CPR Dca. 305m wooden drum for EK ROLLER	1
390024	CLUR 6AB N	LAN Cable CAT6A U / UTP CU white LZSH CPR B2ca. 305m wooden drum for EK ROLLER	1

LAN CABLE

390005	CLU 5CU E	LAN cable CAT5e U/UTP CU CPR Eca indoor, Pull-box 305m (plastic reel + cardboard box)	1
390006	CLU 5CU-E E	LAN cable CAT5e U/UTP CU LSZH UV white color, indoor/outdoor, Pull-box 305m (plastic reel + cardboard box)	1
390007	CLF 5CU-E E	LAN cable CAT5e F/UTP CU LSZH UV white color, indoor/outdoor, Pull-box 305m (plastic reel + cardboard box)	1
390002	CLU 6 CU-E E	Cable LAN CAT6 U / UTP Outdoor UV-PE black, Pull-box 305m (plastic reel + cardboard box)	1
390015	CLU 6CU-EW E	LAN Cable CAT6 U / UTP CU Outdoor UV-PE white. 305m pull-box	1
390003	CLU 6A	LAN cable CAT6A U/UTP CU LSZH CPR Eca, pull-box 305m	1



**TERMINAL BOXES AND CONNECTORS**

393021	R C6	Data terminal rosette box with dust cap. Keystone not included.	1/16
393001	KJ C6	Keystone jack / Cat6 UTP female connector	25/100
393005	KJ C6A	Cat6A UTP keystone jack / female connector	1/100
393007	KJ C6A-TL	Tool-less Cat6A keystone jack UTP female connector	1/100
393006	KJ C6A-FTL	Tool-less Cat6A keystone jack FTP female connector	1/50
393003	RJ45 C6	Cat6 UTP RJ45 male connector	10/1000
393008	RJ 45U C6A	RJ45 Cat6A UTP fast male connector	10/1000
393009	RJ 45F C6A	RJ45 Cat6A Fast FTP Male Connector	10/1000
393004	C RJ45	White cap for male RJ45 connector	10/250
393010	C RJ45 Y	Yellow cap for male RJ45 connector	10/3000
393013	C RJ45 R	Red cap for male RJ45 connector	10/3000
393014	C RJ45 B	Blue cap for male RJ45 connector	10/3000
393015	C RJ45 G	Grey cap for male RJ45 connector	10/3000



**R C6**



**KJ C6A-TL**



**KJ C6A-FTL**



**RJ45 UC6A · RJ45 F6A**



Wires guide for a quick and safe installation

**WALL RACK AND CABINETS**

361001	B 2U	Wall frame 19" 2U - 300 mm depth	1
361002	B 3U	Wall frame 19" 3U - 300 mm depth	1
396005	RB 4 19 300	Rack cabinet de 19" 4U 300mm depth	1
396021	RB 6 19 300 <b>N</b>	Rack cabinet de 19" 6U 300mm depth, 540 x 362 x 211 mm	1
396001	R6 19 450	Rack cabinet 19" 6U 450mm depth	1
396002	R9 19 450	Rack cabinet 19" 9U 450mm depth	1
392005	PP 24 6 C	24 Cat6 ports patch panel for 19" rack	1/10
392001	PP 24 S	24 ports empty patch panel for 19" rack (keystone not included)	1/10
361015	BER	Sockets base for 19" rack	1
361016	BF 1U-300	Fixed 19" rack tray - 1U. Depth 300mm. For racks depth 450mm	1
361017	BF 2U-300	Fixed 19" rack tray - 2U. Depth 300mm. For racks depth 450mm	1
397003	GC 19	Wires guide for 19" rack 1U	1
397004	PPC 19	Lead-through for 19" rack 1U	1
397001	PC 1 19	Blind panel 1U rack 19"	1
397002	PC 2 19	Blind panel 2U rack 19"	1



**CRJ45 · CRJ45Y · CRJ45R · CRJ45B · CRJ45G**



**PP 24 C**



**RB 4 19 300**

**TOOLS**

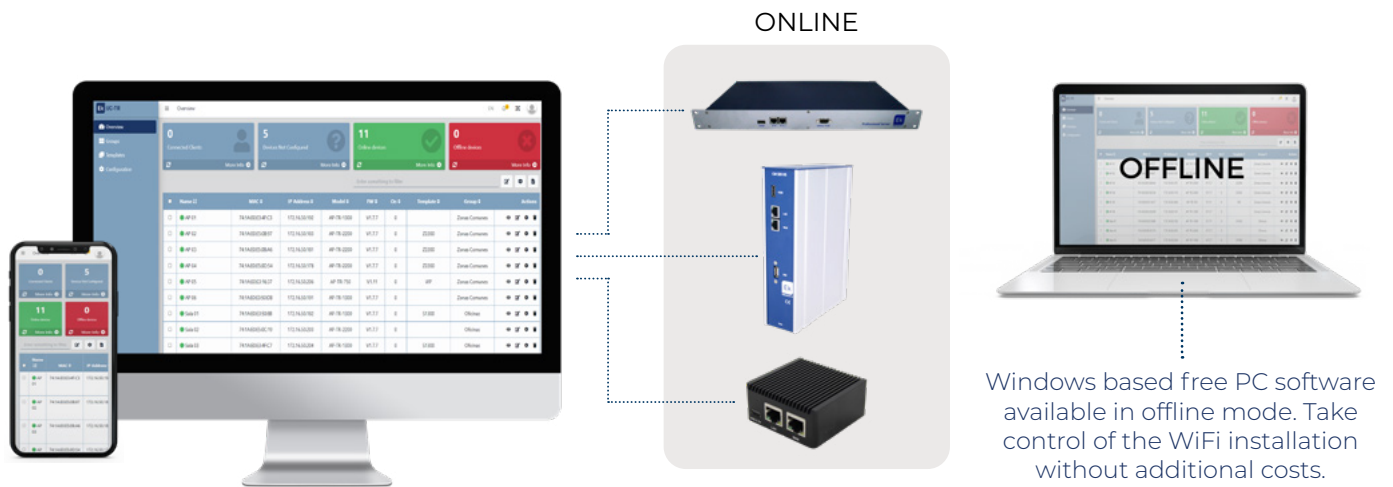
394003	HCC RJ45	Tool for fast male RJ45 connectors	1/20
394001	H KJ	KJC6 keystone jack tool	1
394002	H RJ45	Tool for RJ45 connector C6	1



**HCC RJ45**

## TR PROFESSIONAL SERIES CONTROLLERS

UC-XX controllers, available in different models and modes, offer simple, efficient, secure and centralized control of the professional TR range WiFi access points infrastructure. Suitable for any type of installation and client, makes maintenance tasks easy for IT personnel.



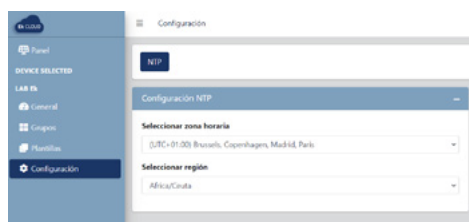
**REAL TIME NETWORK STATUS**      **ALERTS**

Nombre S1	MAC S1	IP Address S1	Modelo S1	FW S1	On S1	Template S1	Grupo S1	Acciones
AP 01	74-1A-E3-E3-4F-C3	172.16.50.192	AP-TR-1300	V1.7.7	0		Zonas Comunes	[Icons]
AP 02	74-1A-E3-E3-0B-97	172.16.50.193	AP-TR-2200	V1.7.7	0	22200	Zonas Comunes	[Icons]
AP 03	74-1A-E3-E3-0A-86	172.16.50.181	AP-TR-2200	V1.7.7	0	22200	Zonas Comunes	[Icons]
AP 04	74-1A-E3-E3-05-54	172.16.50.178	AP-TR-2200	V1.7.7	0	22200	Zonas Comunes	[Icons]
AP 05	74-1A-E3-E3-16-37	172.16.50.206	AP-TR-250	V1.11	0	VM	Zonas Comunes	[Icons]
AP 06	74-1A-E3-E3-50-0B	172.16.50.191	AP-TR-1300	V1.7.7	0		Zonas Comunes	[Icons]
Sala 01	74-1A-E3-E3-50-88	172.16.50.182	AP-TR-1300	V1.7.7	0	51300	Oficinas	[Icons]
Sala 02	74-1A-E3-E3-0C-19	172.16.50.203	AP-TR-2200	V1.7.7	0		Oficinas	[Icons]
Sala 03	74-1A-E3-E3-4F-C7	172.16.50.204	AP-TR-1300	V1.7.7	0	51300	Oficinas	[Icons]

- ✓ Intuitive and complete system supervising
- ✓ Create device groups
- ✓ Template creation
- ✓ Bulk configuration of the WiFi access points
- ✓ Global firmware upgrade
- ✓ Real-time monitoring
- ✓ Alerts

TR ACCESS POINTS VISUAL MANAGEMENT AND CONFIGURATION

## EK CLOUD



Nombre del dispositivo S1	Tipo S1	Número de serie S1	Acciones
Hotel 1	UC MINI	EK-UCTR1000000004	[Icons]
Hotel 2	UC MINI	EK-UCTR1000000006	[Icons]
Hotel 3	UC MINI	EK-UCTR1000000005	[Icons]
Hotel 4	UC MINI	EK-UCTR1000000008	[Icons]
Hotel 5	UC MINI	EK-UCTR1000000007	[Icons]
LAB Ek	VM	EK-UCTR10000000999	[Icons]

- ✓ Remote management of the installation without opening ports on the router
- ✓ Control of multiple installations with a single user account
- ✓ Own cloud server under Ek control
- ✓ Compatible with all models of EK Online controller
- ✓ Simple and intuitive management interface
- ✓ No added costs

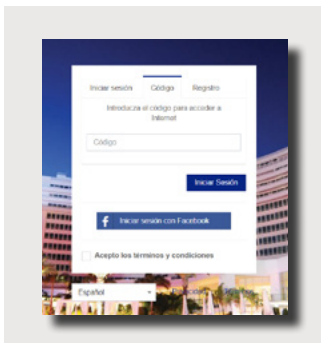
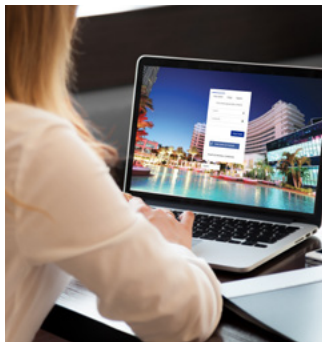
**3 YEARS FREE ACCESS\***

\*For online controllers

# 12

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## HOTSPOT





HS BASIC



CM HS



HS RACK

## HOTSPOT by EK

280025	HS BASIC	Basic HOTSPOT including 2 modules: professional captive portal + network analyzer and activity registration. Up to 50 simultaneous users	1
280024	CM HS	Professional HOTSPOT including 2 modules: professional captive portal + network analyzer and activity registration	1
082010	FA 55	Power supply for 1 module CM headend	1
082036	FA 510	Modular power supply 5 Vdc - 10 A.	1
080008	CH 3 TR	Wall-mount support, 3 units	1
390011	HS RACK	Professional HOTSPOT including 2 modules: professional captive portal + network analyzer and activity registration. 19" rack format. For up to 400 simultaneous users	1
390021	HS RACK +	Professional HOTSPOT including 2 modules: professional captive portal + network analyzer and activity registration. 19" rack format. For up to 2000 simultaneous users	1
280058	IPMS	Integration with PMS CHAR (EK HOTEL TV, EK CAST, Professional HotSpot)	1
311008	EK SOP	Servers remote support and commissioning	1

## PROFESSIONAL CAPTIVE PORTAL AND WIFI NETWORK AUDIT

The professional Ekselans by ITS HotSpot has been designed for installation in business and hotel environments, as well as in any public WiFi network where user authentication and activity registration are required.

Through a simple configuration, the installer is able to define all the necessary parameters to offer various methods of accreditation in WiFi networks (direct registration, email with verification check, tickets with pre-defined passwords, social networks, ...). Likewise, the system allows to define user profiles for assignment of times and connection speed.

In addition to the captive portal, the HotSpot by EK offers a powerful network audit system that allows analyzing internet consumption statistics by connection and user, as well as registering and storing the activity of the different users connected to the WiFi network (device identification, visited domains, connection times, ...), all in strict compliance with the new regulation

### Captive portal

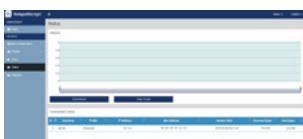
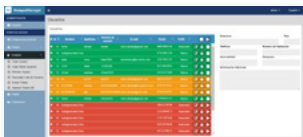
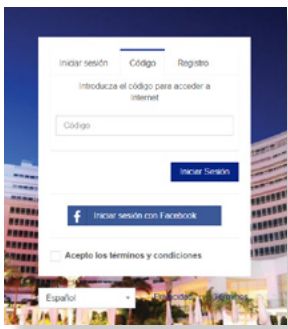
- Simple configuration of the welcome page
- Various access systems: direct registration, tickets with personalized passwords, social networks (Facebook)
- Possibility of defining fields for the access form (name, nationality, room, email, ...)
- Access functionality with email verification system
- Definition of bandwidth and maximum connection time per session
- Creation of websites whitelists
- Possibility of connection to ticket printer for passwords

### Network audit and activity registration

- Activity log of users connected to the WiFi network
- Internal storage of important information such as devices MAC addresses, visited domains, connection times to each domain,...
- Usage statistics of internet resources per user
- Possibility of defining an external cloud back-up (Dropbox, Google Drive, ...)

### Integration with PMS

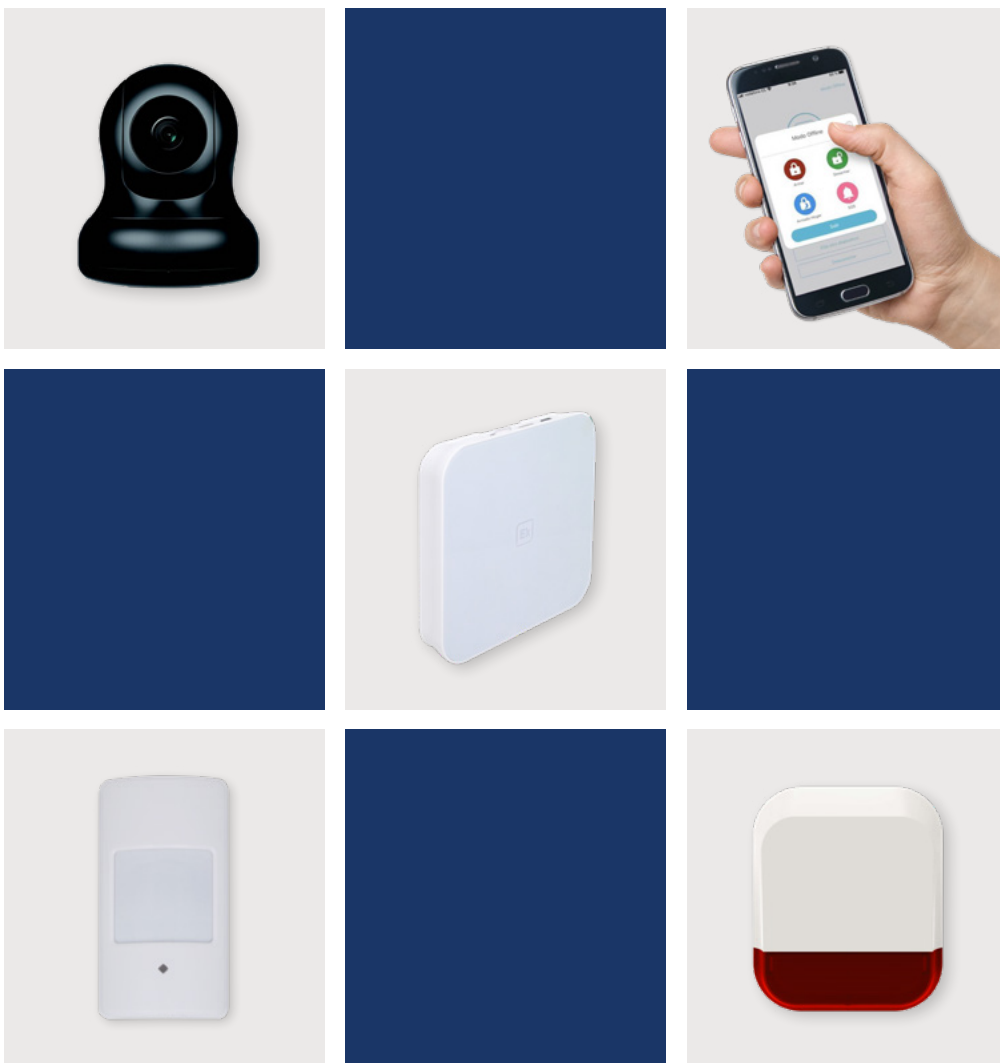
- HotSpot integration option with the hotel's PMS through the CHAR system



# 13

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## SECURITY





SEKUR IP



CAM Z3



CAM B3



KB TG-2

**WIRELESS ALARMS**

**IP + GSM COMPLETE KIT**

261021	SEKUR IP	Alarm kit IP WiFi + GSM backup + accessories (PIR 2 / DP-2 / 2x RC-2). Managed by App	1
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**SEKUR IP CAMERAS**

263034	CAM Z3	Camera PTZ indoor 2MP 1080P. RJ45 connector and Wi-Fi. SD card slot up to 128 GB	1
263035	CAM B3	Camera outdoor bullet 2MP 1080P. RJ45 connector and Wi-Fi. SD card slot up to 128 GB	1

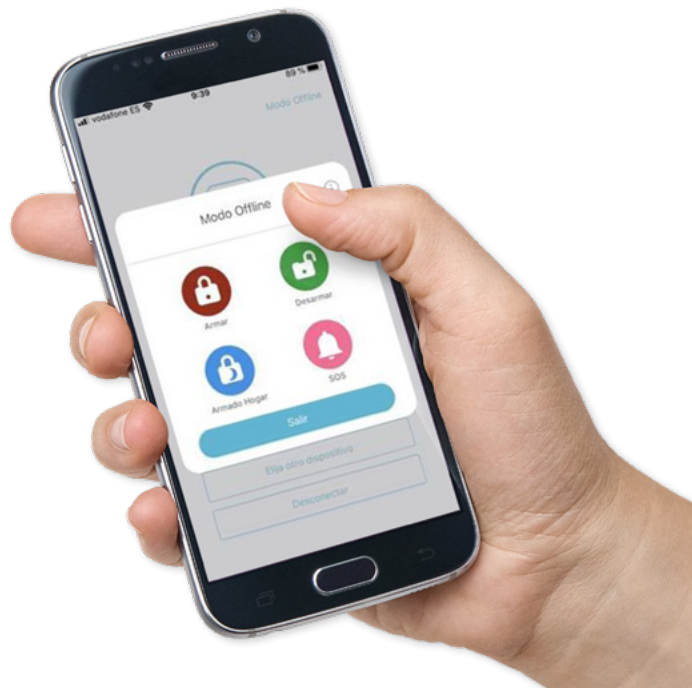
**SEKUR IP ACCESSORIES**

261022	RC-2	Remote control SEKUR IP	1
261023	DP-2	Door-window contact SEKUR IP	1
261036	DP-3	SEKUR IP door-window sensor with closure warning	1
261024	PIR-2	PIR movement detector SEKUR IP. Pet-immune	1
261025	KB TG-2	Wireless Keyboard + RFID TAGs SEKUR IP	1
261026	TAG-2	RFID TAG for SEKUR IP	2
261027	SSW-2	Smart plug for SEKUR IP	1
261037	SI-3	Indoor siren for SEKUR IP	1
261029	SP-2	Garage door contact SEKUR IP	1
261031	DA-2	Water flooding detector for SEKUR IP	1
261035	SE-3	SEKUR IP outdoor wireless siren. IP54	1
261038	B SIP	Battery for SEKUR IP	1
261039	FA SIP	SEKUR IP Power supply	1

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FUNCTIONALITY FOR  
**REMOTE MANAGEMENT**

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# 14

## VIDEO DOOR ENTRY AND ACCESS CONTROL SYSTEMS





CCA+

LCA



PCD E



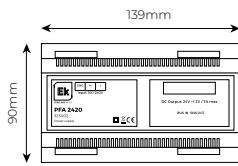
MON 43V



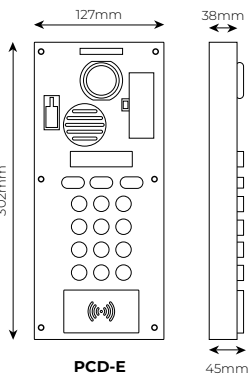
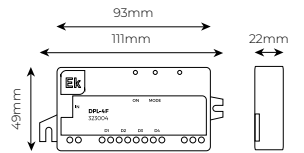
UAD



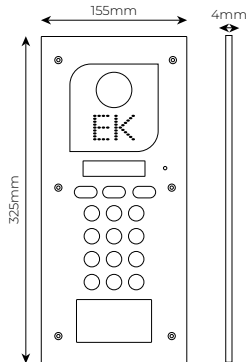
PFA 2420



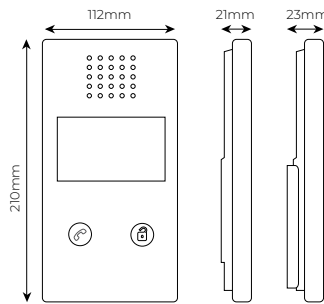
DPL-4 / DPL-4F



PCD-E

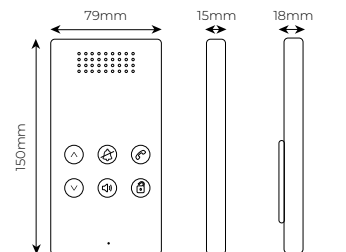


Stainless steel outdoor panel



MON 43V

Lateral with and without support



UAD

Lateral with and without support

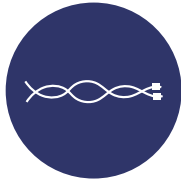
ACCESS CONTROL SYSTEM

370001	CCA	Controller unit with AC/DC input power. Optional door opener AC or DC power supply.	1
370005	CCA +	Controller unit with AC/DC input power. Optional door opener AC or DC power supply. Up to 5000 users. SD card back-up	1
370002	LCA	Mifare type RFID card reader (13.56MHz). Power from controller unit. IP66 protection degree	1
371001	RF KEY	Mifare type RFID key	5
13/ 19500	VICD-30-12	12Vdc / 2A power supply for DIN rail	1

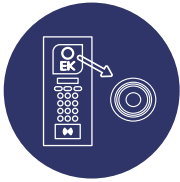
VIDEK WIRE VIDEO DOOR PHONE SYSTEM FOR BUILDINGS

321008	PCD-E	Digital outdoor panel with RFID Mifare access control. Two-wire non-polarized system	1
321004	CE PCD	Flush box for PCD E	1
321007	VE-AI	Stainless steel protective frame for PCD E outdoor panel	1
321005	VPS	Protective plastic box for surface mounted PCD E outdoor panel	1
321006	VAI	Stainless steel protective hood for surface mounted PCD E outdoor panel	1
371001	RF KEY	Mifare type RFID key	5
323002	PFA 2420	2-wire bus power supply	1
323003	DPL-4	Floor tap for 4 video monitor	1
323004	DPL-4F	End-line tap for 4 video monitors	1
320003	MON 43V	4,3" indoor colour monitor. Hands-free, surveillance and internal call functions.	1
320004	UAD	Indoor audio unit. Hands-free	1
325001	CVP 2	2-wire cable 0.5mm <sup>2</sup> . 250m reel. Floor wiring	1/4
325002	CVP 2-1,5	2-wire cable 1.5mm <sup>2</sup> . 200m reel. Long distances wiring	1/4

## General specifications



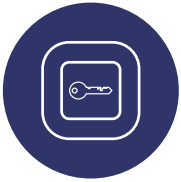
Non-polarized 2 wires system



Digital outdoor panel in stainless steel with high quality color camera



Auto-adjusting light sensor



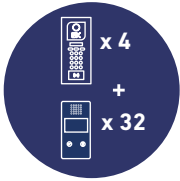
Compatible with outdoor door lock



LCD display with simple and intuitive directory



Audio call volume adjustment on monitor



Up to 4 outdoor panels and up to 32 users (64 indoor units max)



Monitoring function. Possible to watch the street without prior call



Easy to install and to program



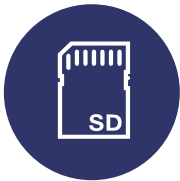
Integrated MIFARE access control



Paralell or series installation option



It can be used as replacement using existing cabling



SD card slot



Additional CCTV cameras option



**SURFACE MOUNTING**



**FLUSH MOUNTING**



Access the VIDEK demo video

## GENERAL SALES CONDITIONS

### Prices

- Prices reflected in this price list are recommended retail prices and doesn't include taxes
- The invoicing will be made at the price in force on the day of shipment of the merchandise
- ITS PARTNER (O.B.S.) S.L. reserves the right to modify this price list, totally or partially, without prior notice.

### Orders

To place your orders, please send an email to [emanuela.zocchi@ek.plus](mailto:emanuela.zocchi@ek.plus)

### Transport

- The prices are EXW Barcelona, so it doesn't include freight cost.
- On each order, customer should be responsible to organize collection and delivery. Under customer's request, we can organize transport to their premises. This service should be quoted separately and after agreement, organized and invoiced along with other products.
- The transport companies are responsible for possible incidents during the trip (damage or faults). Before signing the delivery note, the consignee must check that there are no faults, and that the goods have been delivered in perfect condition. In the event that the goods are damaged, the customer must indicate it on the delivery note of the transport agency and immediately notify ITS Partner (O.B.S.) S.L. within 72 hours of the incident. If no incident is recorded on the delivery note, the responsibility will become solely the recipient.
- After 72 hours from the date of receipt of the goods, no claim will be accepted.

### Warranties and repairs

Ekselans by ITS products are guaranteed for three years, counting from the date of the purchase invoice. This warranty does not cover possible breakdowns or damages caused by misuse or incorrect installation, nor the cases of accidental event or force majeure. The warranty shall not exceed the exchange of the defective part for a new one. The materials that suffer a breakdown can be sent for repair using the form found in the following LINK, being essential to follow the indicated instructions:

[www.ek.plus](http://www.ek.plus), section "Documentation > General Sales Conditions"

### Claims and returns

- We will not accept returns that have not been previously authorized by ITS Partner (O.B.S.) S.L.
- Customer is responsible for the return freight cost (unless agreed between the parties). Goods must be sent with a copy of the related purchase invoice. Goods must be in perfect condition and have not undergone any intervention.
- No claims will be accepted after 7 days from receipt of the goods.

### Payment terms

The payment terms will be agreed between the parties.

### Goods ownership

ITS PARTNER (O.B.S.) S.L. reserves the ownership of the goods until the total payment of the same by the buyer. The customer must bear the interest and expenses caused by the non-payment within the established deadlines, regardless of other possible legal actions, including the recovery of the goods and compensation for damages.

### Jurisdiction

These general sales conditions shall be governed by Spanish law.

Buyer and seller submit, waiving their own jurisdiction, to the jurisdiction of the Courts and Tribunals of Barcelona.

### Information

- The mere acceptance by the buyer of our invoice or delivery note, implies its explicit conformity to all these conditions of sale.
- Delivery times are given as an indication. Delays in deliveries may in no case justify compensation.
- Unless expressly indicated by the client, ITS PARTNER (O.B.S.) S.L. reserves the right to make partial deliveries of an order.

## RMA PROCESS

The **RMA** (Return Merchandise Authorization) is the process that allows us to optimize the deadlines and the quality of service of our technical service. In case of failure of any of the Ekselans by ITS products, the following procedure must be followed:

### Products under warranty

All Ekselans by ITS products have a three-year warranty. For this, it is essential to keep the purchase invoice and fill in the form found on the following website:

**[www.ek.plus](#) > section "Documentation > Repairs / RMA"**

Once completed, you must send the form and a purchase invoice copy to the email address [rma@ek.plus](mailto:rma@ek.plus). You will then receive an RMA number and you must ship the goods postage paid to the following address, clearly stating the RMA number outside the package.

#### For urgent repairs:

Wisitron, Lda  
Rua José Carlos Ary dos Santos 20  
A das Lebres (Loures)  
2660-173 Santo Antão do Tojal  
PORTUGAL  
Tel. +351 219838700

#### For standard repairs:

EKSELANS by ITS - ITS Partner O.B.S. S.L  
Av. Cerdanyola 79-81 Local C  
08172 Sant Cugat del Vallès  
Barcelona  
ESPAÑA  
Tel: +34 93 583 95 43

### Important:

- Verify that the goods are really damaged or defective. Otherwise, all the costs arising from the intervention and the transport costs will be invoiced to you. The rate applied per labor is equivalent to € 15 for every 30 minutes. If necessary, a repair budget may be requested. In case of not accepting the budget, € 6 will be billed for the time spent.
- Once the process has been completed, the goods will be returned at postage paid. In case the repair cause is beyond our responsibility, or it is a product out of warranty, we will proceed to the billing of the return shipments.
- In the event of product has been purchased through an official distributor, they must contact the same, who will be responsible for processing the repair.

### Out-of-Warranty Products

In case the product is out of warranty, or the purchase invoice has been lost, you can also send your product to be repaired. In this case please note that the rate applied per labor is equivalent to € 15 for every 30 minutes. To do this, you must fill in the form that you will find on the following website:

**[www.ek.plus](#) > section "Documentation > Repairs / RMA"**

Once completed you must send the form to the email address [rma@ek.plus](mailto:rma@ek.plus). Subsequently you will receive an RMA number and must send the goods at postage paid to the following address, clearly stating the RMA number on the outside of the package:

#### For urgent repairs:

Wisitron, Lda  
Rua José Carlos Ary dos Santos 20  
A das Lebres (Loures)  
2660-173 Santo Antão do Tojal  
PORTUGAL  
Tel. +351 219838700

#### For standard repairs:

EKSELANS by ITS - ITS Partner O.B.S. S.L  
Av. Cerdanyola 79-81 Local C  
08172 Sant Cugat del Vallès  
Barcelona  
ESPAÑA  
Tel: +34 93 583 95 43

If necessary, a repair budget may be requested. In case of not accepting the budget, €6 will be billed for the time spent. Once the repair is made, you will be notified of the amount and will be provided with an account number to make the payment of the same. After receiving the payment, the goods will be sent postage due by the indicated transport agency.



EKSELANS BY ITS

**SEDE CENTRAL**

Av. Cerdanyola 79-81 Local C  
08172 Sant Cugat del Vallès  
Barcelona (Spain)  
Tel: 93 583 95 43  
info@ek.plus



ek.plus



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