

# INDUSTRIAL GPON OPTICAL NETWORK TERMINAL

## ONT IN · ONT IN24



- ✓ GPON Optical Network Terminal and gateway for industrial application
- ✓ 4 x Self-adaptative 10/100/1000Base-T Ethernet ports
- ✓ Compatible with ITU-T G.984.x standard. Meets all requirements for creating ultra high speed FTTH networks
- ✓ 2,5Gbps maximum downlink / 1,25 Gbps uplink speed
- ✓ Allows access to ultra-broadband services: internet, VoIP and IPTV
- ✓ Local and remote management. OMCI, Web, CLI, SNMP and SWH servers
- ✓ Compatible and interoperable with OLTs Ekselans by ITS



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## TECHNICAL TABLE

REFERENCE	ONT IN	ONT IN24
Code	310029	310034
GPON specifications		
Transfer speed	Downstream: 2.488Gbps Upstream: 1.244Gbps	
Connector	SC/APC	
Optical	ITU-T G.984.2 Clase B+	
Class B+ Standards	ITU-T G.984.x (G.984.5 support) FCC 47 CFR Part 15, Class B FDA 21 CFR 1040.10 & 1040.11, Class I IEEE 802.3 Ethernet 802.1 q/p VLANs	
Optical wavelength and power	Downlink Wavelength: 1490nm Sensitivity: -28dBm Saturation: -8dBm Uplink Wavelength: 1310nm Transmission power: 0.5 ~ 5dBm	
Fiber mode	G.652 Monomodo	
Others	32 T-CONTs 256 GEM Flexible mapping between GEM ports and T-CONTs FEC upstream & downstream Automatic discovery of SN and password activation AES-128 encryption with keys generation and comutation 802.1p service upstream FEC (Forward Error Correction)	
Power supply	12 Vdc 1,5A max.	24 Vdc
Ethernet specifications		
Standards	IEEE802.3 / IEEE802.3au / IEEE802.3x	
Interfaces	4 ports 10/100/1000BASE-T port. RJ45 Connector Auto negotiation Auto MDI/MDIX	
Router functionality (switching & routing)	Bridging & Switching ( 802.1d / 802.1q) 8 traffic classes (802.1p) 802.3n flow control VLAN tagging and filtering VLAN stacking ( Q-in-Q ) IGMP multicast for IPTV / IGMP snooping RSTP / IPHOST /SSH QOS-SP, WRR, SP+WRR Port Mirror	
Industrial specifications	Compatible with industrial PLC systems	
Working temperature	-30°C / 55°C	
WiFi specifications		
Standard	IEEE 802.11 b/g/n (hasta 300 Mbps de transferencia)	
Antenna	SMA connectors for 2.4/5 GHz WiFi antennas	
EIRP	Max 25 dBm	
Others	Up to 4 SSID Up to 64 simultaneous connections WEP, WPA-PSK, WPA2-PSK(AES, TKIP) Security MAC filtering	