GPON OLTs

OLT 16E

GPON
by**Ek**

√ Header for GPON networks. Line terminal

√ Intuitive setup using SWH-TR server

√ 16 downlink GPON ports

√ 2 uplink 10GE / GE ports + 6 uplink GE ports

√ Redundant power supply

√ Compatible with ITU-T G.984.x and ITU-T G.988 standard, meets all requirements for band networking

√ ultra wide FTTH

√ Maximum downstream speed 2.5 Gbps and upstream 1.25 Gbps

√ Remote management using SNMP protocol and remote management of ONTs using OMCI protocol

√ 1U rack

Ek **EKSELANS** BY ITS

OL 16E

SWH-TR

√ Configuration system for GPON networks in hospitality environments

√ Unified set-up for GPON OLT and ONTs

√ Simple intuitivy management of the whole GPON system

More information in https://www.ek.plus/en/product/swh/

TECHNICAL INFORMATION

REFERENCE	OLT 16E
Code	310009
Interfaces	
Switching capacity	60 Gbps
PON Interfaces	16 SFP GPON ports
Uplink interfaces	2 SFP 10GE / 1GE ports 8 SFP GE ports
Other interfaces	1 USB 1 FE management port
GPON Features	
PON standards and characteristics	ITU-T G.984.x Up to 128 ONTs for each PON port and up to 1000 T-CONT Management of up to 5 types of width profiles T-CONT band Adaptive bandwidth DBA algorithm Supports various authentication systems ONTs: SN, password, SN + password, Loid, Loid Password
Ethernet Features	
VLAN	Up to 4000 VLAN inputs VLAN stacking (Q-in-Q) VLAN management by ONT service
STP protocol	IEEE 802.1D STP IEEE 802.1w RSTP IEEE 802.1s MSTP
Ports	Control de ancho de banda bidireccional Agregación virtual de enlaces estática y dinámica LACP Port mirroring y traffic mirroring
Multicast	Multicast estático IGMP v1/v2/v3 IGMP Snooping / Proxy
QoS	It allows to limit the speed on the port or on the defined service. Allows priority observation based on port or defined service and provides 802.1P and DSCP priority. QoS management over the port or over the defined service, supports 8 queues, algorithms SP, WRR or SP + WRR
User security	Protection against ARP-flooding Protection against ARP-spoofing Supports port isolation and ONU isolation control Allows IP, MAC, VLAN and port binding
Device security	Supports port isolation and ONU isolation control Allows IP, MAC, VLAN and port binding
Network security	Broadcast / multicast suppression per port ACL Flow Filtering Mechanism
Management	
Network management	CLI command line SWH-TR
General characteristics	
Operating temperature	-5 - 55°C
Feeding	AC: 100 – 240 VAC 47 – 63 Hz DC: Input -40V / -75V (Optional) Redundant power supply included
Consumption	56W (typ) / 80W (máx)
Dimensions	440 x 320 x 44,2 mm
Weight	3,5 kg (aprox.)