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## OLT512 module

### Up to 512 subscribers

The Optical Line Termination (OLT) is a headend that distributes IP services over optical fiber using the GPON protocol. It is in charge of managing and adapting the services to the subscribers' profiles and their devices, allowing the distribution and commercialization of Quad Play signals (Internet, TV, telephony, etc).

Specifically designed for the residential environment, OLT512 can serve up to 512 subscribers with total rates of 2.5 Gbps/1.24 Gbps (downstream/upstream) on each GPON port.

Equipped with the following ports: 8xPON + 4xGbE + 4x10GbE/GbE.

#### Ref.769401

Art.Nr	OLT8
EAN13	8424450176719

## Highlights

- User friendly configuration via WEB
- Easy CLI (Command Line Interface) configuration option
- Remote management and monitoring
- Up to 60 km range
- SFP (ref. 769410, 769411, 769412 or 769413) compatible

## Main features

- 8 PON ports for up to 64 users each
- Gigabit Ethernet ports for 4x1GbE Uplink traffic /4x10GbE
- AC/DC adapter included
- 19"-rack installation, 1U height

## Technical specifications

GPON		
Downstream / Upstream bit rate	Gbps	0...95
AES encryption		
ONT per PON (512 subscribers). Max. Recommended.		>64
Logical Range	km (miles)	60 (37.28)
Maximum Differential Distance	km (miles)	20 (12.42)
GPON Type B redundancy		
L2 layer		
IEEE 802.1Q VLAN tagging and Q-in-Q VLAN stacking		
Load balancing		
Priority management		
Full wire speed GPON Performance		
IPTV Features		
IGMP v2 / v3		
Multicast		
IPTV streams		>1024
Management		
Local management by CLI and HTTP/HTTPS browser		
Remote management using SSH, Telnet and SNMP protocols		
General		
Temperature conditions	°C/°F	5 ...+45/41...113
Relative Humidity Range	%	95
Power supply	VDC	-40,5 to -57,0
Power consumption	W	<110
Ventilation noise level	dB	<60