

GPON

DATA GPON 8 TX

SKU : 287559



OPTICAL LINE TERMINAL Series

The DATA GPON TX range has many models of Optical Line Termination (OLT), i.e., the termination equipment, on the network side that allows the interface with the fibres in the FTTH +FTTx fibre optic distribution and provides connectivity to one or more terminations user & subscriber' calls ONT, OLTs access nodes, are suitable to distribute high speed data & up to 2,5Gbits in download and up to 1,5Gbits in upload' via fibre optic distributions, Up to 128 user terminals & ONT' for each PON port,

Main Specifications

- GPON technology
- Standard 1U Rack Dimensions
- Flexible Solution 84xPON or 8xPON
- Each PON port can support up to 64 ONT's (SFP in Class B)' or 128 ONT's (SFP in Class C))'
- Compatibility with the different wavelengths used by the HOME Fibre and OPT-MBJ systems
- Advanced traffic management,

Name		DATA GPON 8 TX
Code		287559
UPLINK port		4 x 10/100/1000M auto-negotiable, 2 x SFP 1GE /SFP+ 10GE
Management port		1x 10/100Base-T (outband management port), 1x RJ45 (Console management)
Optical output		
Connectors type		SFP Class C ++ (SC / UPC connector)
PON ports		8x PON
Maximum splitting		1:28
Wavelength	nm	TX: 1490 / RX: 1310
Maximum transmission speed	Gbps	1,244 (Uplink) / 2,488 (Downlink)
Maximum transmission distance	km	20
Optical power	dBm	3 ÷ 7 (@1490nm)
Optical saturation	dBm	-12 (@1310nm)
Sensitivity of the optical receiver	dBm	up to -30 (@1310nm)
Management		
Management mode		SNMP, Telnet, CLI, Web interface, EMS

Name		DATA GPON 8 TX
Management function		<ul style="list-style-type: none"> +Port status, configuration and monitoring +Control on the fan group ventilation unit +Online configuration of ONT receivers +User management and alarm management
Features		
Layer-2 features		<ul style="list-style-type: none"> +Up to 16k MAC Address +Supports up to 4096 VLANs +Supports VLAN ports and VLAN protocols +Supports VLAN Tag - Untag, VLAN transparent transmission; +Supports VLAN translation and QinQ +Storm control based on the port +Supports port isolation function +Supports single port traffic restriction +Supports 802,1d and 802,1w +Support static LACP +QoS based on the port, VID, TOS and MAC address +Access control list +IEEE802,x flow control +Statistical monitoring of the stability of the Ports
Layer-3 features		<ul style="list-style-type: none"> +LAYER 3 Routing +ARP proxy +Static route +1024 hardware Host Routes +512 hardware Subnet Routes
Software functionality		<ul style="list-style-type: none"> +IGMP snooping +Up to 256 Multicast Groups +DHCP server, DHCP relay, DHCP snooping +Tcont Dynamic Band Allocation (DBA) +Gempport traffic +Compliance with the ITUT984,x standard +Transmission distance up to 20Km, +Support data encryption, multicast, port VLAN, separation, RSTP, etc, +Support ONT auto-discovery - link detection - Remote software update +Support for VLAN splitting and user separation to avoid Broadcast Storm +Support power-off alarm function for easy troubleshooting defections, +Support for Broadcasting Storm functionality +Support for isolation between different port +ACL and SNMP support for configuration and data packet filtering +Designed for system breakdown prevention to maintain stable the entire system +Support for RSTP, IGMP Proxy
main features		
Supply voltage	Vac, Hz	100-240, 50/60
Consumption	W	45
Operating temperature	°C	from 0 to +50
Storage temperature	°C	from -40 to +85
Relative humidity	%	from 5 to 90 (without conditioning)
Weight	kg	3.1
Dimensions	mm	442 x 220 x 43,6
Barcode		8016978103980
Packing		Single
Packaging dimensions	mm	575 x 380 x 115
Gross weight	kg	6.9