

DATA GPON 8 TX

GPON



Optical Line Terminal (OLT) for data distribution over optical fibre.

8xPON, Uplink: 4xGE + 2xSFP 1GE + 2xSFP+ 10GE, dual power slots.

Management via SNMP, WEB, CLI, Telnet.

Technical Chars

- Optical Line Terminal (OLT) for data distribution over optical fibre.

DATA GPON 8 TX		
Code		287559
UPLINK port		4 x 10/100/1000M auto-negotiation, 2 x SFP 1GE, 2 x SFP+ 10GE
Management ports		1 x 10/100 Base-T (outband management port), 1 x RJ45 (console management)
Optical section		
Connector type		SFP Class C++ (SC/UPC connector)
PON ports		8
PON splitting		1:128
Wavelength	nm	Tx: 1490 / Rx: 1310
PON max. distance	km	20
Optical power	dBm	3 to 7 (@1490nm)
Optical saturation		-12 (@1310nm)
Optical sensitivity		Up to -30 (@1310nm)
Optical saturation		-12 (@1310nm)
Max. speed		1.244 (Uplink) / 2.488 (Downlink)

Functionality		
Layer 2 features		<ul style="list-style-type: none"> • Up to 16k MAC addresses • Supports up to 4096 VLANs • Supports VLAN ports and VLAN protocols • VLAN Tag/Untag support, VLAN transparent transmission • VLAN translation and QinQ support • Port based storm control • Supports port isolation • Supports single port traffic limiting • 802.1d and 802.1w support • Static LACP support • Port based QoS, VID, TOS and MAC address • Access control list • IEEE802.x flow control • Statistical port stability monitoring
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 • 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/software update remote • Support for VLAN splitting and user separation to avoid a broadcast storm • Power failure alarms to alert system operator • Support for Broadcasting Storm functionality • Support for isolation between different doors • ACL and SNMP support for configuration and packet filtering data • Designed to keep the system running and maintain system stability • Support for RSTP, IGMP Proxy
Management		
Option mode		<ul style="list-style-type: none"> • Status, configuration and monitoring of ports • Ventilation control • Online configuration of ONT receivers • User and alarm management
Management mode		SNMP, Telnet, CLI, Web interface, EMS
Specifications		
Power supply voltage	Vdc/A	100-240/50-60
Current consumption	W	45
Operating temperature	°C	0 to +50
Storage temperature	°C	-40 to +85
Relative humidity	%	5 to 90 (without condensation)

Dimensions and packaging		
Packing		Single
Pieces		1
EAN code		8016978103980
Packaging dimensions	mm	575 x 500 x 115
Product dimensions	mm	442 x 220 x 43.6
Packaging weight	kg	6.9
Net Weight	kg	3.1