Data Sheet

FRACARRO

GPON

DATA GPON 4 TX

SKU : 287558

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 19 1U Rack Dimensions
- Flexible Solution84xPON 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 4 TX
Code		287558
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		4x PON
Maximum splitting		18128
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 4 TX
Management function		+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		+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		+LAYER 3 Routing +ARP proxy +Static route +1024 hardware Host Routes +512 hardware Subnet Routes
Software functionality		+IGMP snooping +Up to 256 Multicast Groups +DHCP server, DHCP relay, DHCP snooping +Tcont Dynamic Band Allocation &DBA' +Gemport 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 mantain stable the entire system +Support for RSTP, IGMP Proxy
main features		
Supply voltage	Vac,Hz	100-240, 50/60
Consumption	W	35
Operating temperature	°C	from 0 to +50
Storage temperature	°C	from -40 to +85
Relative humidity	%	from 5 to 90 (without conditioning)
Weight	kg	2,8
Dimensions	mm	442 x 220 x 43,6
Barcode		8016978103973
Packing		Single
Packaging dimensions	mm	575 x 380 x 115
Gross weight	kg	5,1