

## DATA GPON 4 TX

### GPON



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

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

Management via SNMP, WEB, CLI, Telnet.

### Technical Chars

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

DATA GPON 4 TX		
Code		287558
UPLINK port		4 x 10/100/1000M auto-negotiation, 2 SFP 1GE/SFP+ 10GE
Management ports		1 x 10/100 Base-T (outband management port), 1 x RJ45 (console management)
PON Section		
Optical sensitivity		Up to -30 (@1310nm)
Optical saturation		-12 (@1310nm)
Max. speed		1.244 (Uplink) / 2.488 (Downlink)
PON max. distance	Mbps	1.244 (Uplink)/2.488 (Downlink)
Optical output		
Connector type		SFP Class C++ (SC/UPC connector)
PON ports		4
PON splitting		1:128
Wavelength	nm	Tx: 1490 / Rx: 1310
PON max. distance	Mbps	1.244 (Uplink)/2.488 (Downlink)
PON max. distance	Km	20
Optical power	dBm	3 to 7 (@1490nm)
Optical saturation		-12 (@1310nm)
Optical Sensitivity		Up to -30 (@1310nm)

## Functionality

Layer 2 features		<ul style="list-style-type: none"> <li>• Up to 16k MAC Addresses</li> <li>• Supports up to 4096 VLANs</li> <li>• Supports VLAN ports and VLAN protocols</li> <li>• VLAN Tag/Untag support, VLAN transparent transmission</li> <li>• VLAN translation and QinQ support</li> <li>• Port based storm control</li> <li>• Supports port isolation</li> <li>• Supports single port traffic limiting</li> <li>• 802.1d and 802.1w support</li> <li>• Static LACP support</li> <li>• Port based QoS, VID, TOS and MAC address</li> <li>• Access control list</li> <li>• IEEE802.x flow control</li> <li>• Statistical port stability monitoring</li> </ul>
Layer 3 features		<ul style="list-style-type: none"> <li>• Layer 3 routing</li> <li>• ARP proxy</li> <li>• Static route</li> <li>• 1024 hardware host routes</li> <li>• 512 hardware subnet routes</li> </ul>
Software functionality		<ul style="list-style-type: none"> <li>• IGMP snooping</li> <li>• Up to 256 multicast groups</li> <li>• DHCP server, DHCP relay, DHCP snooping</li> <li>• Dynamic Band Allocation (DBA)</li> <li>• Gempport traffic</li> <li>• Compliance with the ITUT984.x standard</li> <li>• Transmission distance up to 20km.</li> <li>• Support data encryption, multicast, port VLAN, separation, RSTP, etc.</li> <li>• Support ONT auto-discovery/link detection/software update remote</li> <li>• Support for VLAN splitting and user separation to avoid a broadcast storm</li> <li>• Power failure alarm to alert system operator</li> <li>• Support for Broadcasting Storm functionality</li> <li>• Support for isolation between different ports</li> <li>• ACL and SNMP support for configuration and packet filtering data</li> <li>• Designed to keep the system running and maintain system stability</li> <li>• Support for RSTP, IGMP Proxy</li> </ul>

## Management

Option mode		<ul style="list-style-type: none"> <li>• Status, configuration and monitoring of ports</li> <li>• Ventilation control</li> <li>• Online configuration of ONT receivers</li> <li>• User and alarm management</li> </ul>
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## Specifications

Power supply voltage	Vdc/A	100 - 240/50 - 60
Current consumption	W	35
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		8016978103973
Packaging dimensions	mm	575 x 380 x 115
Product dimensions	mm	442 x 220 x 43.6
Packaging weight	Kg	5.1
Weight	Kg	2.8