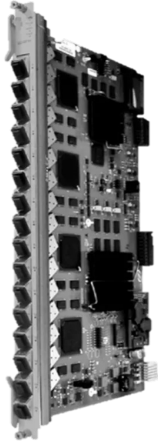# DATA XPON - GPON CARD

GPON

The card supports ITU standard GPON interfaces with a downstream bandwidth of 2.5 Gbps and upstream bandwidth of 1.25 Gbps over a passive optical network.
The 16 GPON ports, capable of handling Type-B redundancy, enable the development of high reliability solutions.
QoS services and dynamic bandwidth allocation enables high network efficiency.

Technical Chars

- maximum scalability
- high density
- up to 16 GPON ports
- Supports Type-B redundancy

Optical section		
Connector type		SFP Class B+/C+
PON ports		16x GPON
PON splitting		recommended 1:32 to guarantee the service
Wavelength	nm	TX: 1490 / RX: 1310
PON max. distance	km	20
Optical sensitivity		Up to -26 (@1310nm)
Max. speed		1.244 (Uplink) / 2.488 (Downlink)
Functionality		
Layer 2 features		- Bridging 802.1D - VLAN 802.1Q with 802.1p - IGMP - IGMP Snooping with Proxy reporting - DHCP Relay & DHCP Option 82 - Broadcast Storm Protection - Bridge Loop Protection - Transparent L2/L3 VPN
Software functionality		- Class B+ and C+ SFP optics with RSSI - Type-B redundancy support - QoS - Layer 2 and Layer functionality - Radius proxy support, 802.1x, LLDP - IPTV multicast, IGMPv2 and IGMPv3 services

Management		
Option mode		• Status, configuration and monitoring of ports • Online configuration of ONT receivers • User management and alarm management
Management mode		SNMP, CLI, Web interface, EMS
Specifications		
Current consumption	W	126
Operating temperature	°C	-40 to +65
Storage temperature	°C	-40 to +70
Relative humidity	%	5 to 85 (no condensation)
Dimensions and packaging		
Packing		Single
Product dimensions	mm	378 x 212 x 22