FRACARRO

OLTG-1P2G1S

GPON

The OLT (Optical Line Terminal) OLTG-1P2G1S optical terminal manage data distribution on 9/125 single-mode optical fiber and thanks to its small size it can be installed in small structures and to support the development of video intercom solutions on FTTH fiber.
The OLTG-1P2G1S terminal integrates the SFP PON Class C++ transmission module, allowing it to develop a 1.25Gbps upload speed and 2.5Gbps download speed, over a maximum distance of 20 km, making it extremely versatile for different uses.

Technical Chars

- SFP PON C++ integrato
- Uplink SFP+ 10G
- 4096 VLAN
- Backplane 16Gbps
- Port Forwarding 23.81Gpps
- 1U rack

OLTG-1P2G1S		
Code		287787
UPLINK port		2 x 10/100/1000M auto-negotiation, 1 x 1GE/10G SFP+
Management ports		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		Internal SFP Class C++ (SC/UPC connector)
PON ports		1 x Internal GPON SFP
PON splitting		1:128 (max 1:32 recommended in business market)
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		• 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		-
Software functionality		• Tcont Dynamic Bandwidth Allocation (DBA) • Port Traffic GEM • Compliance with the ITUT984.x standard • Transmission distance up to 20km. • Support data encryption, multicast, VLAN port, separation, etc. • Support ONT auto detection/link detection/remote software update • Support VLAN splitting and user separation to avoid broadcast storms • Support for Broadcasting Storm functionality

Management

Option mode		Status, configuration and monitoring of ports • Online configuration of ONT receivers • User and alarm management

Specifications

Power supply voltage	Vdc/A	100-240/50-60
Current consumption	W	24
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
Packaging dimensions	mm	345 x 255 x 70
Product dimensions	mm	210 x 173 x 43.6
Packaging weight	Kg	1.66
Net Weight	Kg	1.07