FRACARRO

OLTG-4P4GC2S

GPON

The **OLT (Optical Line Terminal)** OLTG-4P4GC2S optical terminal manage data distribution on **9/125 single-mode optical fiber** and it can be installed in medium structures to support the development of three-in-one broadcast television network, FTTP (fiber to the premise), FTTO (fiber to the office) e FTTR (fiber to the room), video monitoring network, enterprise LAN (Local Area Network), internet of things and other network applications.

Technical Chars

- 4x COMBO (10/100/1000M auto-negotiation or 4x SFP 1GE) and 2x SFP+ 10GE
- 4096 VLAN
- Backplane 63 Gbps
- 1U rack
- 2 hot-swap PSU included

OLTG-4P4GC2S		
Code		287791
UPLINK port		4x COMBO (10/100/1000M auto-negotiation or 4x SFP 1GE) and 2x SFP+ 10GE
Management ports		1 x RJ45 (console management) and 1 USB port for backup, upgrade and log
PON Section		
Optical sensitivity		Up to -28dBm (classe B+), up to -30dBm (classe C+)
Optical saturation		-8 dBm Class B+; -12 dBm Class C+ (@1310nm)
Max. speed		1.25 (Uplink) / 2.5 (Downlink)
Optical output		
Connector type		SFP Class B+ and C+ (SC/UPC connector)
PON ports		4
PON splitting		1:128 (max 1:32 recommended in business market)
Wavelength	nm	Tx: 1490 / Rx: 1310
PON max. distance	Km	20
Optical power	dBm	1.5 to 5 dBm class B+; 3 to 7 dBm class C+ (@1490nm)
Optical saturation		-8 dBm Classe B+; -12 dBm Classe C+ (@1310nm)

Functionality

Layer 3 features		Layer 3 routing function: support static routing, dhcp-relay and vlanif configuration.
Software functionality		• Tcont Dynamic Bandwidth Allocation (DBA) • Port Traffic GEM • Compliance with the FSAN and ITUT984.2 Classe B+ and C+ • 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 • OMCI protocol

Management

Option mode		• Status, configuration and monitoring of ports • Online configuration of ONT receivers • User and alarm management • Support device log, device upgrade, device management, condition monitoring, configuration management, and user management • Layer 2 switching configuration management: Like port management, VLAN, RSTP, IGMP, ACL, QOS and others • PON function configuration management: Like OLT authentication, DBA template, service template, line template and others
Management mode		CLI, WEB, SNMP, TELNET, SSH and meet OMCI standard, through OMCI channel protocol service management can be realized

Specifications

Power supply voltage	Vdc/A	100-240/50-60
Current consumption	W	45
Operating temperature	°C	-15 to +50
Storage temperature	°C	-40 to +85
Relative humidity	%	5 to 90 (without condensation)

Dimensions and packaging

Packing		Single
Pieces		1
EAN code		8016978108916
Packaging dimensions	mm	530 x 430 x 80
Product dimensions	mm	440 x 276 x 44
Packaging weight	Kg	6.2
Net Weight	Kg	4