

## 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 PON ports
- 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
Optical section		
Connector type		SFP Class 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)
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)

Functionality		
Layer 2 features		<ul style="list-style-type: none"> <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</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>• Access control list</li> <li>• IEEE802.x flow control</li> <li>• Statistical port stability monitoring</li> <li>• Full wire speed, trunk, LACP</li> <li>• Port based QoS</li> </ul>
Layer 3 features		Layer 3 routing function: support static routing, dhcp-relay and vlanif configuration.
Software functionality		<ul style="list-style-type: none"> <li>• Tcont Dynamic Bandwidth Allocation (DBA)</li> <li>• Port Traffic GEM</li> <li>• Compliance with the FSAN and ITUT984.2 Classe B+ and C+</li> <li>• Transmission distance up to 20km.</li> <li>• Support data encryption, multicast, VLAN port, separation, etc.</li> <li>• Support ONT auto detection/link detection/remote software update</li> <li>• Support VLAN splitting and user separation to avoid broadcast storms</li> <li>• Support for Broadcasting Storm functionality</li> <li>• OMCI protocol</li> </ul>
Management		
Option mode		<ul style="list-style-type: none"> <li>• Status, configuration and monitoring of ports</li> <li>• Online configuration of ONT receivers</li> <li>• User and alarm management</li> <li>• Support device log, device upgrade, device management, condition monitoring, configuration management, and user management</li> <li>• Layer 2 switching configuration management: Like port management, VLAN, RSTP, IGMP, ACL, QOS and others</li> <li>• PON function configuration management: Like OLT authentication, DBA template, service template, line template and others</li> </ul>
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