

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

- SFP PON B+ and C+
- 2x Uplink SFP+ 10G
- 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 | | <ul style="list-style-type: none"> • 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 | | <ul style="list-style-type: none"> • 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 |