

OLTG-1P2G1SW

GPON



The **OLT (Optical Line Terminal)** OLTG-1P2G1SW optical terminal manage data distribution on **9/125 single-mode optical fiber** and it can be installed in small and 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

- 1 PON port
- 2x GE 10/100/1000M auto-negoziabile o 1x SFP+ 10GE
- 4096 VLAN
- Backplane 27.75 Gbps
- 1U rack
- PSU integrated
- Display to view IP address, ONT number, etc.

OLTG-1P2G1SW		
Code		287858
UPLINK port		2x GE 10/100/1000M auto-negotiation And 1x SFP+ 10GE
Management ports		1 x RJ45 (console management)
Optical section		
Connector type		SFP Class C++ (SC/UPC connector) included
PON ports		1
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"> • Access/Trunk/Hybrid L2 access mode • Support 64K MAC address • Support 4094 VLANs • VLAN filter function,VLAN transform • L2 port mirror • MAC address learning/aging
Software functionality		<ul style="list-style-type: none"> • Tcont Dynamic Bandwidth Allocation (DBA) • Port Traffic GEM • Compliance with the FSAN and ITU G.984/G.988 • Transmission distance up to 20km. • Support data encryption, multicast, VLAN port, etc. • Support ONT auto detection/link detection/remote software update • OMCI protocol
Functions		
MULTICAST		IGMP snooping, IGMP V1/V2/V3, Multicast VLAN translation
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: port management, VLAN, RSTP, IGMP, ACL, QOS and others • PON function configuration management: OLT authentication, DBA template, service template, line template and others
Management mode		Standard CLI, WEB, TELNET, SSH and MQTT
Specifications		
Power supply voltage	Vdc/A	100-240/50-60
Current consumption	W	40
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
Packaging dimensions	mm	370 x 345 x 80
Product dimensions	mm	310 x 192 x 44
Packaging weight	kg	2.8
Net Weight	kg	1.5