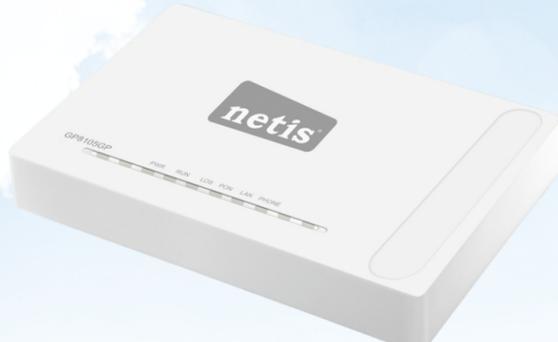




Easy Network, Trustable

# 1 Port Gigabit Plus 1 POTS GPON Terminal

## GP8501GP



### Features:

- >Complies with ITU-T G.984.2 CLASS B+
- >Up to 1.25Gbps for upstream and 2.5Gbps for downstream speed
- >Maximum transfer distance up to 20Km
- >Support SIP or H248 voice protocol
- >Multiple traffic mapping modes supported
- >IGMP V2&V3 Snooping, IGMP proxy
- >Support VLAN filtering & VLAN transparent transmission, VLAN N:1 aggregation and VLAN 1:1 translation
- >Local management through Web-based GUI and efficient remote management function
- >1\* SC/APC GPON port, 1\* RJ11 phone port, 1\* 10/100/1000Mbps auto-negotiation and auto-MDI/MDIX RJ45 LAN port

### Brief:

and small office and home office (SOHO) users, providing one GPON port, one RJ11 phone port and oneGE/FE auto-negotiation& auto-MDI/MDIX Ethernet port. By using the Gigabit-capable Passive Optical Network (GPON) technology, the GP8501GP provides a high-speed data channel through a single optical fiber with an upstream rate of 1.25Gbps and a downstream rate of 2.5Gbps. In this way, you can enjoy the high-speed dataservice, quality voice service, superior video service.

[www.netis-systems.com](http://www.netis-systems.com)

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### Specification:

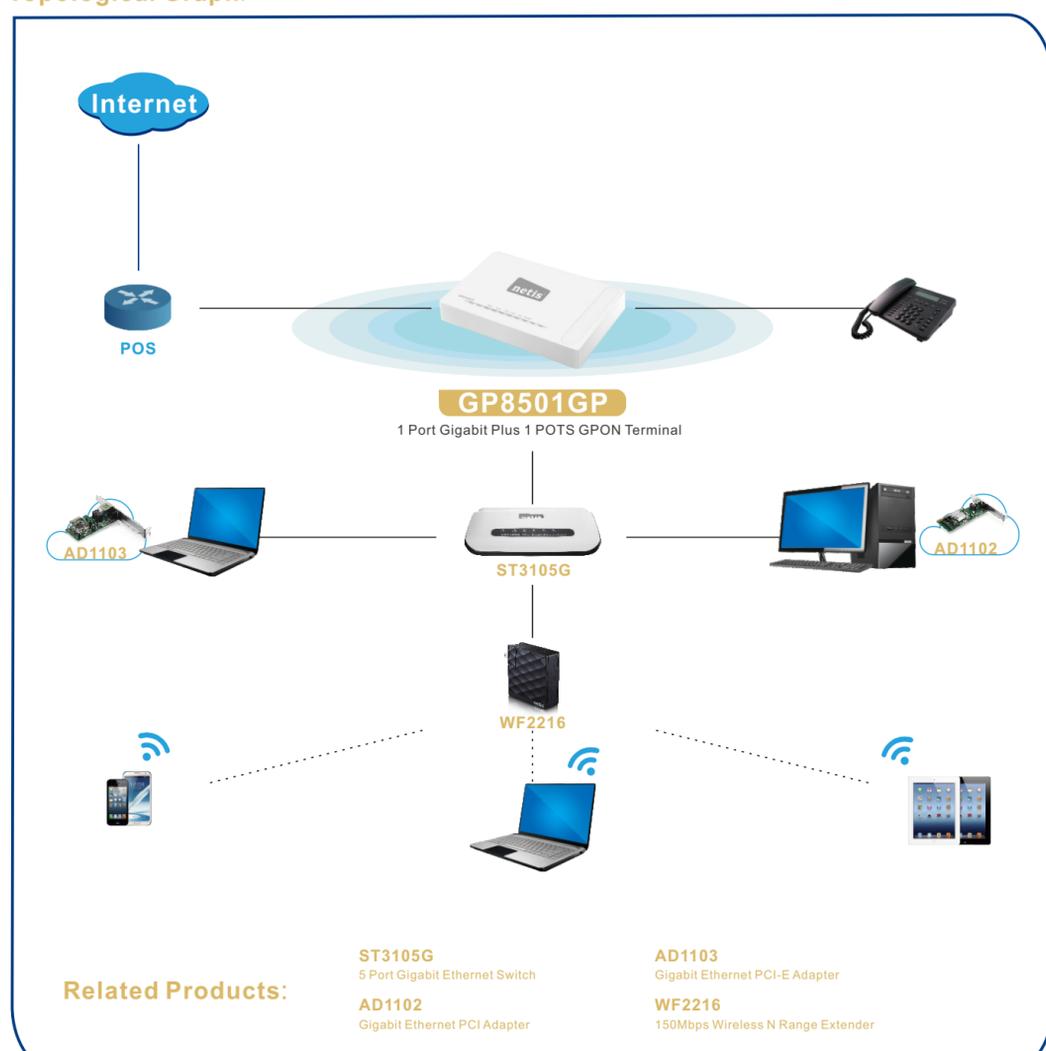
Hardware	
Interface	1* SC/APC GPON port 1* RJ11 Phone port 1* 10/100/1000Mbps auto-negotiation and MDI/MDIX RJ45 LAN port
Data Rate	Upstream 1.25Gbps      Downstream 2.5Gbps
Distance	0-20KM
Center Wavelength	Tx: 1310 nm      Rx: 1490 nm
Extinction Ratio	> 10 dB
Optical Power	Tx optical power: 0.5~5.0dBm Maximum overload optical power: -8 dBm
Receive Sensitive	-27dBm
LED	PWR, RUN, LOS,PON,LAN, PHONE
Button	Power ON/OFF, Default
Power Adapter	DC 12V/1A
Power consumption	<12W (MAX)
Dimensions (L x W x H )	145(L) x90(W) x28(H)mm
Weight	139g
Software	
Standard	ITU-T G.984.2 CLASS B+ IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.1p, IEEE 802.1q
GPON	GEM encapsulation mode 8 T-CONTs with up to 32 GEM ports GEM port to T-CONT mapping Multiple traffic mapping modes: -Mapping from VLAN to GEM port -Mapping from PRI to GEM port -Mapping from Ethernet port to GEM port -Mapping from VLAN+PRI to GEM port -Mapping from Ethernet port+VLAN to GEM port -Mapping from Ethernet port+PRI to GEM port -Mapping from Ethernet port+VLAN+PRI to GEM port -Mapping from IPToS to GEM port Dynamic Bandwidth Assignment (DBA) Forward error correction (FEC) function in the upstream and downstream directions Embedded OAM, physical layer OAM (PLOAM), and OMCI 128-bit advanced encryption standard (AES) in the downstream direction Authentication modes of SN, password, and SN+password Deactivation/Activation and re-register of the ONT Loopback test based on the GEM port
Multicast	IGMP V2&V3 Snooping IGMP proxy Bridge WAN multicast Up to 255 multicast groups VLAN transforming of the upstream multicast protocol packet Separate GEM ports for the downstream multicast service streams and the IGMP signaling packets Transformation, transparent transmission, and removal of the downstream multicast VLAN Filtering downstream multicast packets Multicast filtering and forwarding based on MAC address Authentication based on the GEM port Fast leave
Ethernet	Bridge Mode Setting to 10/100/1000 Mbit/s manually Setting to half duplex or full duplex mode manually Upstream and downstream rate limit based on the Ethernet port with a granularity of 64kbit/s PAUSE traffic control (IEEE 802.3 Annex 31B) Ethernet frame of up to 2000 bytes VLAN filtering and VLAN transparent transmission. VLAN N:1 aggregation and VLAN 1:1 translation. IEEE 802.1p Priority Queue
Voice	SIP or H.248 * (* After the standard switched, you should save the settings and reset the product, then it will be take effect.)
Maintenance	Optical power monitoring. Local service configuration, query, and software upgrade on the Web page Remote management using standard compliant OMCIinterface as defined byITU-T G.988 Query of the information about the ONT optical transceiver Reporting the Dying Gasp alarm when the ONT is powered off
OMCI	OMCI configuration management (including the GEM port, T-CONT, CAR, and VLANconfigurations) OMCI query management (including the device information and Ethernet port status) OMCI alarming and alarm synchronization OMCI performance statistics
Security	MAC address filtering
Others	
Environment	Operating Temperature: 0°C~40°C(32°F~104°F) Operating Humidity: 5%~90% non-condensing Storage Temperature: -40°C~70°C(-40°F~158°F) Storage Humidity: 5%~95% non-condensing
Package	1 * EP8501GP      1 * 12V/1A Power Adapter      1 * Ethernet Cable 1 * RJ11 Phone Cable      1 * Quick Installation Guide

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### Topological Graph:



### Related Products:

- ST3105G 5 Port Gigabit Ethernet Switch
- AD1102 Gigabit Ethernet PCI Adapter
- AD1103 Gigabit Ethernet PCI-E Adapter
- WF2216 150Mbps Wireless N Range Extender