

# 1 Port Gigabit EPON Terminal

## EP8101G

### Features:

- >Complies with IEEE 802.3-2005&CTC 2.1
- >IEEE 802.3-2005 compliant EPON ONU device
- >Up to 1.25Gbps for upstream/downstream speed
- >Maximum transfer distance up to 20Km
- >Automatic discovery and authorization, plug and play
- >AES-128 encryption
- >Customized Quality of Service for assured SLA
- >IEEE 802.1p priority(SP/WRR/SP+WRR)
- >Advanced Layer2 switching features, IGMP Snooping, IEEE 802.1q VLAN, Rate Limitation, MAC Address management
- >Supports Dying Gasp function
- >Supports Triple churning
- >Remote management based on OAM, Local management through Web-based GUI
- >1 \* SFF/SC PON port, 1 \* 10/100/1000Mbps auto-negotiation and auto-MDI/MDIX RJ45 LAN port



### Brief:

The netis EP8101G ONU(Optical Networking Unit) is an IEEE 802.3-2005 standards compliant product. Carrier class QoS and security are implemented with a variety of classification and filtering rules. It's a Fanless ONU, ideal for home applications. When connecting with the EP8208 EPON OLT(Optical Line Terminal) it can offer 1Gbps symmetrical Ethernet transmission over an ODN(Optical Distribution Network).

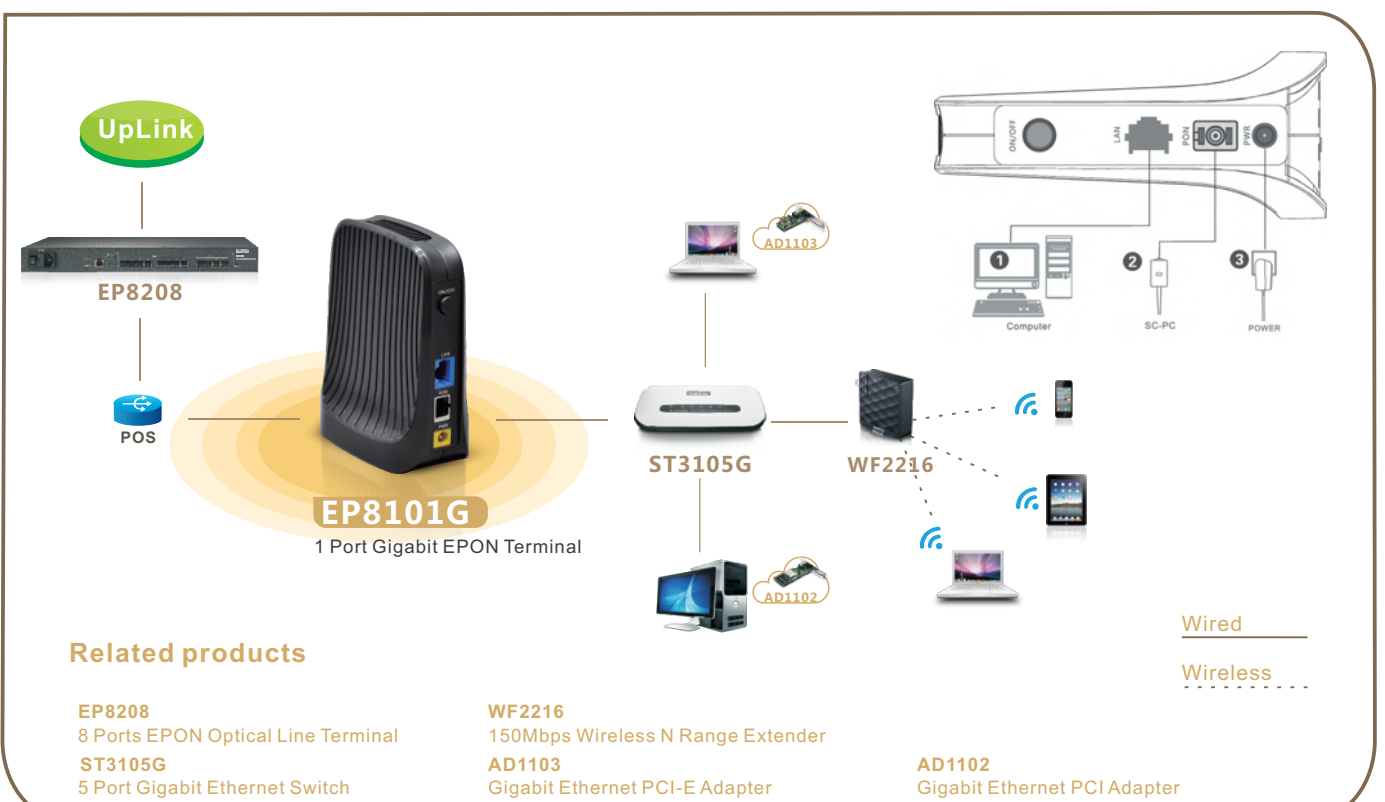
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## EP8010G

### Specification:

Hardware		
Interface	1* SFF/SC PON port 1* 10/100/1000Mbps auto-negotiation and MDI/MDIX RJ45 LAN port	
Data Rate	Upstream 1.25Gbps Downstream 1.25Gbps	
Distance	0-20KM	
Splitting Ratio	1:32(20KM) 1:64(10KM)	
Optical Power	-1~+4dBm	
Receive Sensitive	-25.5dBm	
LED	LAN PON LOS PWR	
Button	Power on/off Default	
Power Adapter	External 9V500MA	
Power consumption	<5W (MAX)	
Dimensions (L x W x H )	115(L)*87.95(W)*48.5(H)mm	
Wight	111g	
Software		
Standard	IEEE 802.3-2005 IEEE 802.3 10Base-T IEEE 802.3ab 1000Base-T IEEE 802.1q	IEEE 802.3u 100Base-TX, IEEE 802.1p
QoS	Service Flow Classification based on MAC Address/VLAN/ IP Address /DSCP /L4 port 802.3x flow control, Upstream Priority Label Support 802.1p User Priority, Congestion Control Support Tail-Drop/WRED/RED	Schedule rules Support SP/WRR/SP+WRR, Rate Limit and Traffic shaping,
VLAN	802.1Q tag VLAN, VLAN transparent mode/VLAN translation mode/VLAN trunk mode	
Advanced Features	Authentication based on Loid and Password,or base on MAC Dynamic Bandwidth Allocation(DBA) , Terminal Silent mechanism,	Upstream and Downstream FEC, Optical power detection, Dying Gasp, Ethernet port loop testing
Security	AES Encryption, Triple churning Illegal Frame/Illegal Multicast Filtering	
Management	Managed by Web and OAM, Reset to Factory default by Reset button or Web UI,	Specified the management IP/MAC, Real-time statistics, Optical Diagnostic, System Log
IGMP	IGMP v2/v3	
Others		
Environment	Operating Temperature: 0°C~40°C(32°F~104°F) Operating Humidity: 10%~90% non-condensing	Storage Temperature: -40°C~70°C(-40°F~158°F) Storage Humidity: 5%~90% non-condensing
Package	1 * EP8101G 1 * Ethernet Cable	1 * 9V/500MA Power Adapter 1 * Quick Installation Guide

### Topological Graph:



### Related products

**EP8208**  
8 Ports EPON Optical Line Terminal

**ST3105G**  
5 Port Gigabit Ethernet Switch

**WF2216**  
150Mbps Wireless N Range Extender

**AD1102**  
Gigabit Ethernet PCI-E Adapter

**AD1102**  
Gigabit Ethernet PCI Adapter