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GPON ONT

G12 (1GE+1FE+1POTS)

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GPON ONT

G12

Product Descriptions

G12 is developed by PHYHOME for the broadband access market based on GPON technology to meet the needs of Telecom operators for broadband access and FTTH. It provides users with complete GPON based FTTH solutions. It is fully compliant with technical regulations such as ITU-T G.984.x. It supports flexible applications and plug and play, as well as provides high-quality voice, data and high-definition video services to users. Efficient bandwidth utilization and Ethernet service support capabilities help operators deliver reliable service quality assurance to their customers.

G12 has high reliability and provides quality of service guarantee, easy management, flexible expansion and networking. It's fully meet the ITU-T G.984.x technical standards and has good compatibility with third party manufacturers OLT.

Main Features

- * GPON mode (Can access GPON OLTs).
- * Plug and play, integrate auto detection, auto configuration and auto firmware upgrading.
- * All-in-One: High speed GPON ONT, NAT Router, 2-port Switch and VoIP gateway in one device providing a one-stop high speed networking solution
- * Support downstream 2.5Gbps and upstream to 1.25Gbps with transmission distance to 20Km.
- * Supports OAM (ONT Management Control Interface) remote management.
- * Support IPv4/ IPv6 IGMP snooping and MLD snooping.

Specification

General	
Protocol Standards	ITU G.984.x
Distance	20Km Max
Data Rates	Upstream rate 1.25Gbps Downstream rate 2.5Gbps
PON TX Power	1~5dBm (1310nm)
PON RX sensitivity	<-28dBm (1490nm)
VOIP Standards	SIP (RFC3261), ITU-T G.729/G.722/G.711a/G.711
Power	≤ 7W

Hardware	
Interfaces	1xSC/UPC or 1xSC/APC (optional) 1x 10/100/1000Mbps LAN Port 1x 10/100Mbps LAN Port 1x FXS Port
Buttons	Reset Button
Power Supply	DC 12V 1A
Dimensions (W X D X H)	130*102*31mm(length*width*height)

Environment	
Operating Temperature	-10°C~50°C
Storage Temperature	-40°C~70°C
Operating Humidity	10%~90%, non-condensing

Storage Humidity	5%~95% non-condensing
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Certifications	CE, RoHS
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Software

WAN Type	Dynamic IP/Static IP/PPPoE
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DHCP	Server, Client, DHCP Client List, Address Reservation
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Quality of Service	WMM, Bandwidth Control
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Port Forwarding	Virtual Server, Port Triggering, UPnP, DMZ
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VLAN	802.1Q tag VLAN, VLAN transparent mode/VLAN translation mode/VLAN trunk mode
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Access Control	Parental Control, Local Management Control, Host List, Access Schedule, Rule Management
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Firewall Security	DoS, SPI Firewall IP Address Filter/MAC Address Filter/Domain Filter IP and MAC Address Binding
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Management	Access Control Local Management Remote Management
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Internet Protocol	IPv4, IPv6
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Package Contents

Package Contents	1 x GPON ONT 1 x Quick Installation Guide 1 x Power Adapter
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