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GPON 1GE ONT

G4 (1GE+CATV)

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GPON 1GE+CATV ONT

G4

Product Descriptions

G4 GPON ONT is developed by FHYHOME for the broadband access market based on GPON technology to meet the needs of Telecom operators for broadband access and FTTH. Integrates CATV optical receiver, it is high-reliable and easy to maintain, has high cost performance. Have a high reliability and provide quality of service guarantee, easy management, flexible expansion and networking. It is fully compliant with technical regulations such as ITU-T G.984.x and technical requirement of GPON Equipment (V2.1 and above version) from China Telecom that 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.
- * Support downstream 2.5Gbps and upstream 1.25Gbps with transmission distance to 20Km.
- * Fiber access and gigabit port provide incredibly fast transfer speeds.
- * Supports OMCI (ONT Management Control Interface) remote management.
- * Support IPv4/ IPv6 IGMP snooping and MLD snooping.
- * Support bridge, route and bridge/route mixed mode.

Specification

General	
Protocol Standards	ITU-T 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)
Power	≤ 5W

CATV	
Optical Receive	-15~+2 dBm
AGC range	-12~-2 dBm
Fiber return loss	>14 dB
wave length	1100~1600 nm
Connector	RF
C/N	≥ 45 dB
C/CTB	≥ 62 dB
C/CSO	≥ 61 dB
BW	40~ 1000 MHz
Output level	≤ 82 dB μ V

Hardware	
Interfaces	1xSC/UPC or 1xSC/APC (optional) 1x 10/100/1000Mbps LAN port

	1x RF port
Buttons	Reset Button
Power Supply	DC 12V 0.5A
Dimensions (W x D x H)	130*113*32mm(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
Certifications	CE, RoHS

Software

WAN Type	Dynamic IP/Static IP/PPPoE
DHCP	Server, Client, DHCP Client List, Address Reservation
Quality of Service	Bandwidth Control
Safety	IEEE802.1x
VLAN	Port-based VLAN GVRP IEEE802.1Q VLAN
Access Control	Local Management Control, Host List, Access Schedule, Rule Management
Route	Support NAT Support PPPOE Support Server Client Support Route
PON Mode	GPON Mode
Management	Access Control Local Management Remote Management
Internet Protocol	IPv4, IPv6

Package Contents

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

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