

FTTH Redefined for you!



GX GROUP



## Earth-1010

Wi-Fi 300 Mbps

EPON/GPON Home Gateway Unit



### Product Description

Earth 1-Port EPON/GPON Home Gateway Unit adopt newest chip generation solution. It's an incredibly robust device allowing users to access high-speed internet connect EPON/GPON port and share it with a Gigabit Ethernet port. With GPON upstream 1.25Gbps and downstream to 2.5Gbps and transmission distance up to 20Km, HGU provides high-performance forwarding capabilities to ensure smooth VoIP. With the speed of up to 300Mbps, it can provide users with extraordinary smooth internet surfing, internet phone calling, and on-line gaming. Moreover, by adopting an external Omni-directional antenna, Earth could greatly increases the wireless range & sensitivity, which enables you to receive wireless signals in the farthest corner of your home or office.

### Product Features

- » Wireless 11N speed up to 300Mbps, ideal for internet surfing and on-line gaming
- » Support downstream 2.5Gbps and upstream to 1.25Gbps with transmission distance to 20Km
- » Fiber access and gigabit port provide incredibly fast transfer speeds
- » OMCI (ONT Management Control Interface) remote management
- » TDM inner transmission, support Native TDM type and CES over GEM
- » Pass though T-CONT-GEM port to be in progress and multiple-access BDA and QoS manage.
- » Setup Assistant provides quick & hassle-free installation

# PRODUCT FEATURES AND SPECIFICATIONS

## Earth-1010

General	
	ITU-T G.984
Distance	20Km Max
Data Rates (GPON)	Upstream:1.25Gbps, Downstream:2.5Gbps
Wireless Standards	IEEE802.11b/g/n,2.4GHz
Signal Rate	2.4GHz:Up to 300Mbps
Operation Frequency	2.4GHz
Receive Sensitivity	2.4GHz 11g 54M: -77dBm
Wireless Security	WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK encryption
Hardware	
Interfaces	1 x SC/APC EPON/GPON Port 1 x 10/100/1000Mbps LAN Port
Buttons	Power ON/OFF Button, Reset Button
Power Supply	DC 12V 1A
Antenna	2 x 2.4GHz 5dBi External Antennas
Dimensions (W X D X H)	132 x 93.5 x 27mm
Software Features	
WAN Type	Dynamic IP/Static IP/PPPoE
DHCP	Server, Client, DHCP Client List, Address Reservation
Quality of Service	WMM, Bandwidth Control
Port Forwarding	Virtual Server, Port Triggering, UPnP, DMZ
VLAN	802.1Q tag VLAN, VLAN transparent mode/VLAN translation mode/VLAN trunk mode
Access Control	Parental Control, Local Management Control, Host List, Access Schedule, Rule Management
Firewall Security	DoS, SPI Firewall IP Address Filter/MAC Address Filter/Domain Filter IP and MAC Address Binding
Management	Access Control Local Management Remote Management
Internet Protocol	IPv4, IPv6
Environment	
Operating Temperature	0°C~50°C (32°F~104°F)
Storage Temperature	-40°C~70°C (-40°F~158°F)
Relative Humidity	10%~90%, non-condensing
Storage Humidity	5%~95%, non-condensing
Certifications	CE, RoHS
Package Contents	
Package Contents	1 x EPON/GPON Router 1 x Quick Installation Guide 1 x Power Adapter

### Interoperability

- » TR255 compliant

### Interoperable OLTs

- » Huawei MA5600
- » Huawei MA5608T
- » ISAM 7360 FX
- » Zhone - MXK-F
- » ZTE ZXA10 C300
- » Saturn OLT
- » Atlas OLT

### ONT Remote WAN Management

- » PPPoE
- » DHCP
- » Static IP
- » Factory restore
- » Protocol port 80 enable/disable

### Status LED

- » Power
- » Internet
- » PON
- » LOS
- » GE
- » WiFi