

FTTH Redefined for you!



GX GROUP



## Earth-P4200R

4-Port GPON POE ONT with CATV



### Product Description

Earth is our most compact Home Gateway unit. Format and design is built to fit the market demands in most optimal way, and provides High quality services, supporting: High bandwidth Gigabit Data, Quality voice service, Cable TV, IPTV services and Ethernet ports are designed to support IEEE802.3af/IEEE802.3at PoE power supply, and can automatically detect and identify the IEEE802.3af/IEEE802.3at based powered devices, and can supply power via Ethernet cables.

### Product Features

- » Advance fiber termination
- » GPON port with 1.244Gbps/2.488Gbps link speed
- » Easy Setup Assistant provides quick & hassle-free installation
- » Support RF Video Overlay (F-type connector)
- » Ethernet ports supports the IEEE 802.3af/at standard POE power supply
- » Advances Management capability
- » ONT Broadcast and loop protection

### A perfect fit for every deployment scenario...

Earth-P4200R is a part of our EARTH Product family and has been developed in such a way that it can be integrated into various deployment models including single dwelling and multi dwelling scenarios. Using products from the EARTH family, the demarcation point can be extended to any desired location in the home, enabling easy access and installation of services. Its small size makes the product a perfect fit in any environment, be it a living room, metering cabinet or basement.

# PRODUCT FEATURES AND SPECIFICATIONS

## Earth-P4200R

### General Specifications

- » Dimensions  
210mm(L)×135mm(W)×30mm(H)
- » Weight < 400 g
- » Power supply voltage 52 Vdc, 1.8A
- » Power consumption with CATV typ. 10.5 W  
typ. 12.5 W
- » Relative Humidity 5% - 95%  
Storage Humidity 5% - 95%
- » Operating temperature 0 - 50 °C
- » Storage temperature -40 - 70 °C

### User interfaces

- 4x 10/100/1000 Mbps Lan Port
- 2x FXS Port
- 1x SC/APC GPON Port
- 1x RF Port

### Standards

- » Compliant with ITU-T G.984
- » Compliant with IEEE 802.3af, IEEE 802.3at
- » Compliant with SIP (RFC3261), ITU-T G.711/G.723/G.729
- » Compliant with ITU-T G.984.2 Amd1, Class B+
- » Compliant with 802.1 q/p VLANs

### CATV

- » Light reflection loss: >45dB
- » Input optical power: -15dBm~0dBm
- » RF bandwidth: 45MHz~1000MHz
- » RF output level: 75±2dBuV

### VOIP

- » Support high speed fax/ low speed fax / modulator-demodulator, bypass fax and T38 fax)
- » Support in-band / RFC2833 / SIP INFO, MD5 authentication, call forwarding, call waiting, hotline, and various voice value-added services.
- » Multiparty conference
- » SIP Phones for Hospitality - Message Waiting Indicator (MWI)

### L2/L3 Features

- » IPv4, IPv6 support
- » Dynamic IP/Static IP/PPPoE WAN
- » DHCP Server
- » DHCP Client
- » Virtual Server
- » Port Triggering
- » UPnP
- » 802.1Q tag VLAN
- » VLAN transparent mode
- » VLAN translation mode
- » VLAN trunk mode

### L2/L3 Features

- » DoS, SPI Firewall
- » IP Address Filter/MAC Address Filter/ Domain Filter
- » IP and MAC Address Binding








### Management

- » OMCi
- » CLI
- » TR-069 supported
- » Advanced GUI

### ONT Remote WAN Management

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

### Status LEDs

-  Power
-  Fiber uplink status, PON
-  Telephony status 1-2
-  CATV status
-  Connectivity status, Internet
-  LAN1-4 status
-  Fiber uplink status, LOS

## Earth family product models

Model	Type	LAN Interface	Voice/POTS	CATV	WiFi
Earth-P4200R	GPON POE ONT	4x	2x	Yes	NA