



## EARTH 2022

Dualband Wi-Fi 1200 Mbps



### Product Description

Earth-2022 is our most compact Home Gateway FTTH WiFi dual band ONT supporting Triple-play services. Format and design is built to fit the market demands in most optimal way, and provides High quality services supporting WiFi, High bandwidth Gigabit Data, Quality voice service and IPTV services.

### Product Features

- » Advanced 2x2 11n and 2x2 11ac WiFi GPON HGU, upto 1200 Mbps wireless connectivity
- » Supports 802.11N 2T2R speed up to 300 Mbps
- » Supports 802.11AC 2T2R speed up to 867 Mbps
- » Fiber port with 1.244/2.488 Gbps link speed
- » 2xGE ports
- » Advances Management capability
- » Broadcast and loop protection

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

Earth 2022 ONT is 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 TITANIUM family, the demarcation point can be extended to any desired location in the home, enabling easy access & installation of services. Its small size makes the product a perfect fit in any environment, be it a living room or basement.

# PRODUCT FEATURES AND SPECIFICATIONS

## Earth 2022

### General Specifications

- » Dimensions  
135mm(L)×110mm(W)×28mm(H)
- » Weight < 500 g
- » Power supply voltage 12 Vdc ± 5%, 1.5A
- » Power consumption typ. 12.5W  
with CATV typ. 12.5W
- » Operating temperature 0 - 50 °C
- » Storage temperature 0 - 70 °C

### User interfaces

- 2x Gigabit Ethernet (GE)
- 1x GPON port
- 1x Power connector
- 1x Reset

### Standards

- » Compliant with ITU-T G.984 (G.984.5 support)
- » Compliant with SFF-8472
- » Compliant with IEEE 802.3 Ethernet
- » Compliant with ITU-T G.984.2 Amd1, Class B+
- » Compliant with 802.1 q/p VLANs

### LAN interface(s)

- » Compliant with IEEE 802.3 (u & az)  
Clause 40 (1000/100/10BASE-T)
- » LED indicators for link & activity

### WiFi

#### 802.11n

- » Throughput > 140Mbps at 40MHz bandwidth
- » Compliant with IEEE 802.11n, 2.4GHz, 20/40MHz bandwidth
- » Receiving sensitivity -68dBm

#### 802.11ac

- » Throughput > 550 Mbps
- » EVM (11ac MCS9) : < -32dB

### ONT Remote WAN Management

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







### Interoperability

- » TR255 complaint

### Interoperable OLTs

- » Huawei MA5600
- » Huawei MA5608T
- » ISAM 7360 FX
- » Zhone - MXK-F
- » ZTE ZX10 C300
- » Saturn OLT
- » Atlas OLT

### Status LEDs

-  Power
-  Fiber uplink status, PON
-  WiFi status
-  Connectivity status, Internet
-  LAN1-2 status
-  Fiber uplink status, LOS

### Others

- RST Reset button

## Earth product models

| Model      | Type          | LAN Interface | Voice/POTS | WiFi11N | WiFi11AC |
|------------|---------------|---------------|------------|---------|----------|
| Earth 2022 | GPON WiFi ONT | 2x            | No         | Yes     | Yes      |