Model No. : Earth-4220RF

FTTH REDEFINED

HOME GATEWAY UNIT

PLATINUM E42

PRODUCT DATASHEET



PRODUCT DESCRIPTION

Platinum E42
is a Wi-Fi ONT/HGU supporting Triple-play services

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

PRODUCT FEATURES

4x
Data ports

2x
Voice ports

1x
GPON port

1x
CATV port

PRODUCT MODEL | PLATINUM E42

FEATURES & SPECIFICATIONS



GENERAL/PHYSICAL FEATURES

DIMENSIONS
L=210mm W=150mm H=32mm

WEIGHT
<400g

POWER SUPPLY
12vDC ± 5%, 1.5A

POWER CONSUMPTION
TYP. 10.5W | TYP. 12.5W (CATV)

OPERATING TEMPERATURE
0 to 50 °C

STORAGE TEMPERATURE
-40 to -70 °C

USER INTERFACE

LAN PORTS
4x

VOICE PORTS
2x

GPON PORT
1x

USB PORT
1x

CaTV PORT
1x

POWER PORT
1x

LAN INTERFACE

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

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

VOICE FXS

- Supports SIP, RTP protocol
- CODEC: G.711, G.729(A/B)
- Support Call ID / Call waiting / Call forwarding / Call Transfer / 3-way Calling and T.38 FAX
- Support echo cancellation, compliant with G.165, G.168
- Support voice activity detection, comfort noise insertion

WI-FI

- Dual Antenna 2×2 MIMO, 5dBi
- Throughput > 140Mbps at 40MHz bandwidth
- Compliant with IEEE 802.11n, 2.4GHz, 20/40MHz bandwidth
- Receiving sensitivity -68dBm
- Tx Freq range (mhz) 2412.0-2472.0
- Rx Freq range (mhz) 2412.0-2472.0

CATV

- Optical wavelength 1550 - 1560 nm
- Optical input range 0 to -18 dBm
- RF output F connector 75 Ω
- RF frequency range 47 - 1000 MHz
- CNR 45 dB
- Output reflection loss >12 dB
- RF output level (AGC) 78 dBuV
- Filtered from WAN interface via internal WDM filter
- Remote management via OMCI

ONT REMOTE WAN MANAGEMENT

- PPPoE
- DHCP
- Static IP
- Factory Restore

  Protocol port 80 enable/disable

MANAGEMENT

- OMCI
- CLI
- TR-069 supported
- Advanced GUI
- FCC & CCC supported
- Safety :
  - IEC 6050
  - UL94HB flammability class
- Laser Safety :
  - IEC EN 60825 class 1
  - FDA 21 CFR 1040 .10 / .11 Class 1

  Emission and Immunity :
  - EN 55022/ CISPR 22:2008, Class B
  - EN 61000
  - EN 550024

  RoHS/WEEE marking :
  - compliant with 2002/95/EC