

FD712GD-R460

2GE+CATV+2WIFI XPON ONU



High Speed CPU



Low Power Consumption



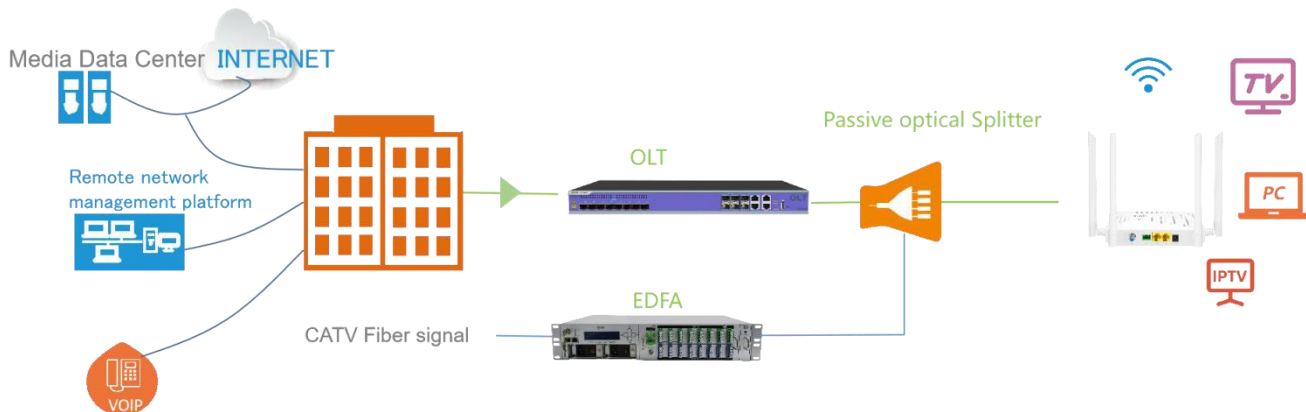
Software Customization



Optional Shell Supply

Brief Views

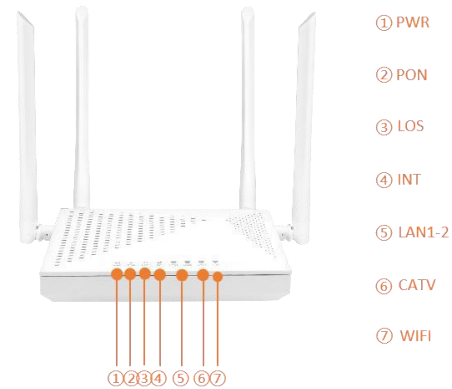
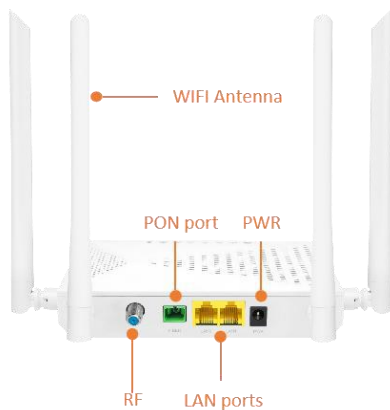
FD712GD-R460 is an indoor fiber broadband access terminal. The device provides one GPON / EPON adaptive optical port and supports XPON mode. It can be used in connection with our company FD16/17 series GPON OLT or FD12 / 13 series EPON OLT. It can also interconnect with the mainstream manufacture (Huawei / ZTE / Fiberhome) GPON or EPON OLT to provide users with Internet, WIFI and CATV services based on GPON and EPON technology.



Functional Feature

- In compliant with IEEE802.3ah and ITU - T G.984 standard
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support SN and LOID+Password multiple registration methods
- Support port VLAN configuration
- Support port-based rate limitation and bandwidth control
- Support MAC address learning
- Support MAC address learning account limit
- Support VLAN transparent/tag/translate/trunk
- Support broadcasting storm resistance function
- Support igmp transparent/snooping/proxy mode
- Support Dynamic Bandwidth Allocation (DBA)
- Support AES encryption and decryption
- EMS network management based on SNMP ,convenient for maintenance
- Support power-off alarm function ,easy for link problem detection
- Support Firewall
- Support MAC address/URL filter
- Support remote WEB/Telnet access control
- Support remote CATV port management

Product Interface and LED



LED Definitions

| Indicator | | Description |
|-----------|---------------------------|--|
| PWR | Power status | On: The ONT is power on; Off: The ONT is Power off; |
| PON | ONT Register | On: Success to register to OLT; Blinking: In process of registering to OLT; Off:Failed to register to OLT or no normal optical signal input; |
| LOS | PON optical signals | On: Optical power lower than receiver sensitivity; Off: Optical in normal; |
| LAN | LAN port status | On: Ethernet connection is normal; Blinking: Data is being transmitted through the Ethernet port; Off: Ethernet connection is not set up; |
| INT | Internet status indicator | On: The routed WAN Internet access service is normal. Off: The routed WAN Internet access service is abnormal. |
| WIFI | WIFI | Blinking :Data is being transmitted On:WIFI function Opens |
| CATV | CATV status | On: CATV optical normal Off:The CATV signals are not received |

Product Specification

Mechanics

| | |
|------------|----------------|
| Dimensions | 214*139.5*32mm |
| Weight | About 300g |

Hardware

| | | | |
|-----------------|---|---|------------------|
| User Port (LAN) | RJ-45 connector | | |
| | 2 *10/100/1000Mbps adaptive Ethernet port | | |
| | Full/half duplex | | |
| | Auto MDI/MDI-X | | |
| Indicators | PWR / PON / LOS / LAN / INT / CATV / WIFI | | |
| PON Port | PON Mode | EPON: 1000BASE-PX20+ symmetric GPON: FSAN G.984.2 standard,Class B+ | |
| | PON Rate | EPON: 1.25Gbps downstream/upstream GPON: 2.488Gbps/1.244Gbps downstream/upstream | |
| | Wavelength | Transmit: 1310nm | Receiver: 1490nm |
| | Receiving sensitivity | EPON: -27dBm | GPON: -28dBm |
| | Saturated power | EPON: -3dBm | GPON: -8dBm |
| | Transmitting power | EPON:0~4dBm | GPON: 0.5~5dBm |

| CATV (Input /Output port) | |
|---------------------------|--------------------------------------|
| Wavelength: | 1550nm |
| Input optical power: | -18dBm ~ 0dBm(with AGC) |
| RF frequency: | 47MHz~1000MHz |
| RF output level: | 78dBuV (@-12~-2dBm@85MHz) (with AGC) |
| RF output return loss: | >12dB(with AGC) |
| RF impedance: | 75 Ω |

| WIFI performance parameter | |
|----------------------------|-------------|
| IEEE802.11b/g/n(2.4G) | |
| IEEE802.11a/n/ac(5G) | |
| Max rate: | 300M(2.4G) |
| Max rate: | 867Mbps(5G) |
| MAX TX power 2.4G: | 17dBm |
| MAX TX power 5G: | 17dBm |

| Environment | |
|---------------------|----------------------------|
| Working temperature | 0 to 40° C |
| Operating humidity | 10% ~ 90% (Non-condensing) |

| Power | |
|--|-------|
| External 12VDC/1A power supply adapter | |
| Power consumption | 10.3W |

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