

FD512GD-R460

2GE+2WIFI XPON ONU



High Speed CPU



Low Power Consumption



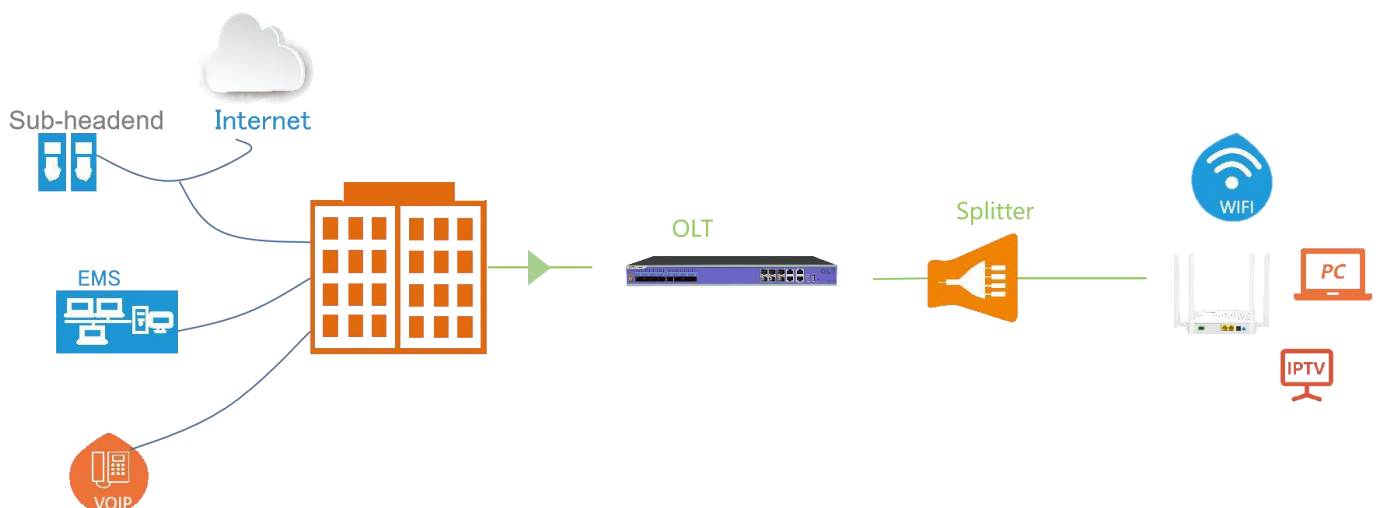
Software Customization



Optional Shell Supply

Brief Views

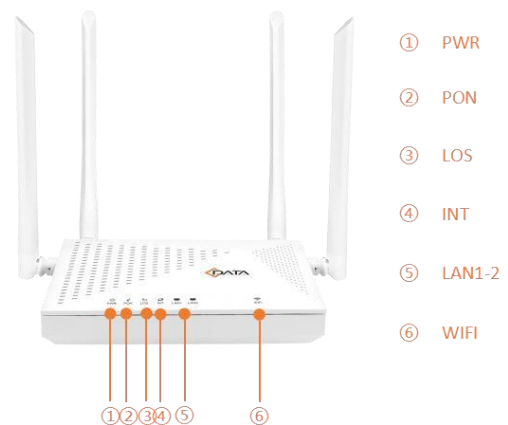
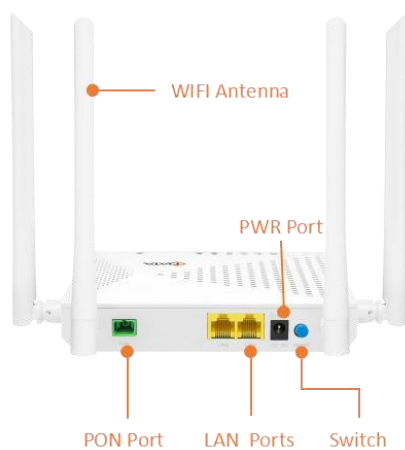
FD512GD-R460 is an indoor fiber broadband access terminal. The device provides one GPON / EPON adaptive optical port and supports XPON mode. It can be used in connection with our company FD16 series GPON OLT or FD11 / 12 series EPON OLT. It can also interconnect with the mainstream manufacture (Huawei / ZTE / Fiberhome) GPON or EPON OLT to provide users with Internet and WIFI 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
- Single-fiber access, provides internet, WIFI multiple service.

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 |

Product Specification

Mechanics

| | |
|------------|------------------------------|
| Dimensions | 214mm(L)*139.5mm(W)*32mm (H) |
| Weight | About 0.23kg |

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 / 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 |

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

≤11.4W

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