

# FD514GD-R580

## 4GE+2WIFI XPON ONU



High Speed CPU



Low Power Consumption



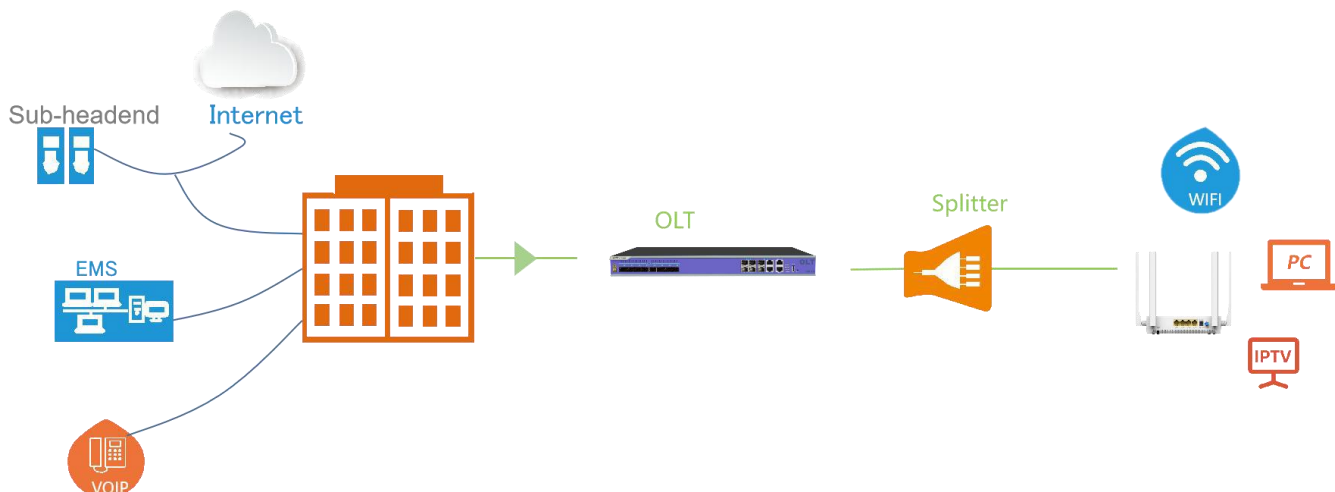
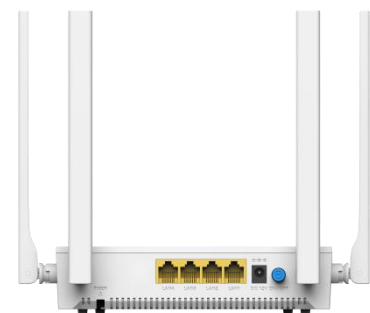
Software Customization



Optional Shell Supply

### Brief Views

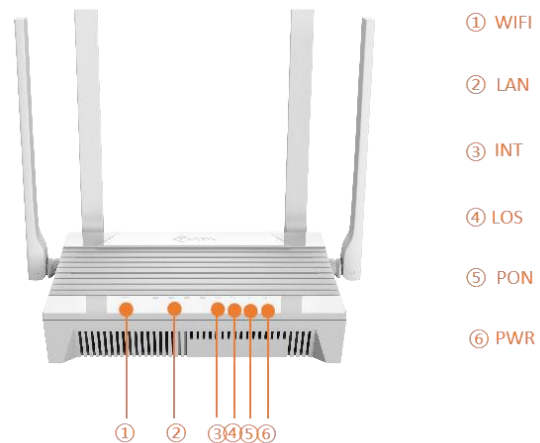
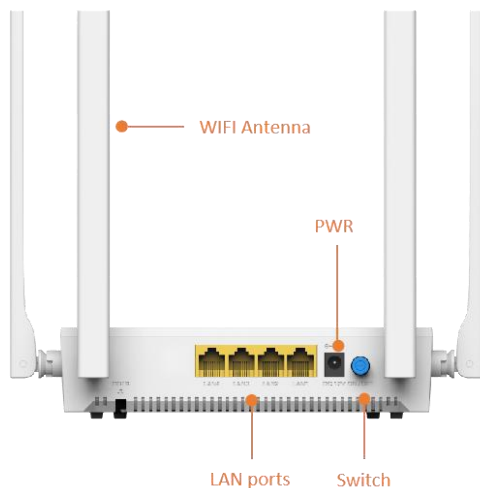
FD514GD-R580 is an indoor fiber broadband access terminal. The device provides one GPON / EPON adaptive optical port and supports XPON mode. It can be used in connection with our company FD16 /17series GPON OLT or FD12 / 13 series EPON OLT. It can also interconnect with the mainstream manufacture (Huawei / ZTE / Fiberhome) GPON or EPON OLT to provide users with Internet 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;<br>Off: The ONT is Power off;   |
| PON       | ONT Register              | On: Success to register to OLT;<br>Blinking: In process of registering to OLT;<br>Off:Failed to register to OLT or no normal optical signal input; |
| LOS       | PON optical signals       | On: Optical power lower than receiver sensitivity;<br>Off: Optical in normal;  |
| LAN       | LAN port status           | On: Ethernet connection is normal;<br>Blinking: Data is being transmitted through the Ethernet port;<br>Off: Ethernet connection is not set up;    |
| INT       | Internet status indicator | On: The routed WAN Internet access service is normal.<br>Off: The routed WAN Internet access service is abnormal.                                  |
| WIFI      | WIFI                      | Blinking :Data is being transmitted<br>On:WIFI function Opens  |

## Product Specification

### Mechanics

|            |                  |
|------------|------------------|
| Dimensions | 170mm*120mm*41mm |
| Weight     | About 228g       |

### Hardware

|                 |   |   |                  |
|-----------------|---|---|------------------|
| User Port (LAN) | RJ-45 connector                           |   |                  |
|                 | 4 *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<br>GPON: FSAN G.984.2 standard,Class B+              |                  |
|                 | PON Rate                                  | EPON: 1.25Gbps downstream/upstream<br>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

≤9.7W

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