

FD514GS3-R850

4GE+2WIFI6(AX3000) XPON ONU



High Speed CPU



Low Power Consumption



Software Customization

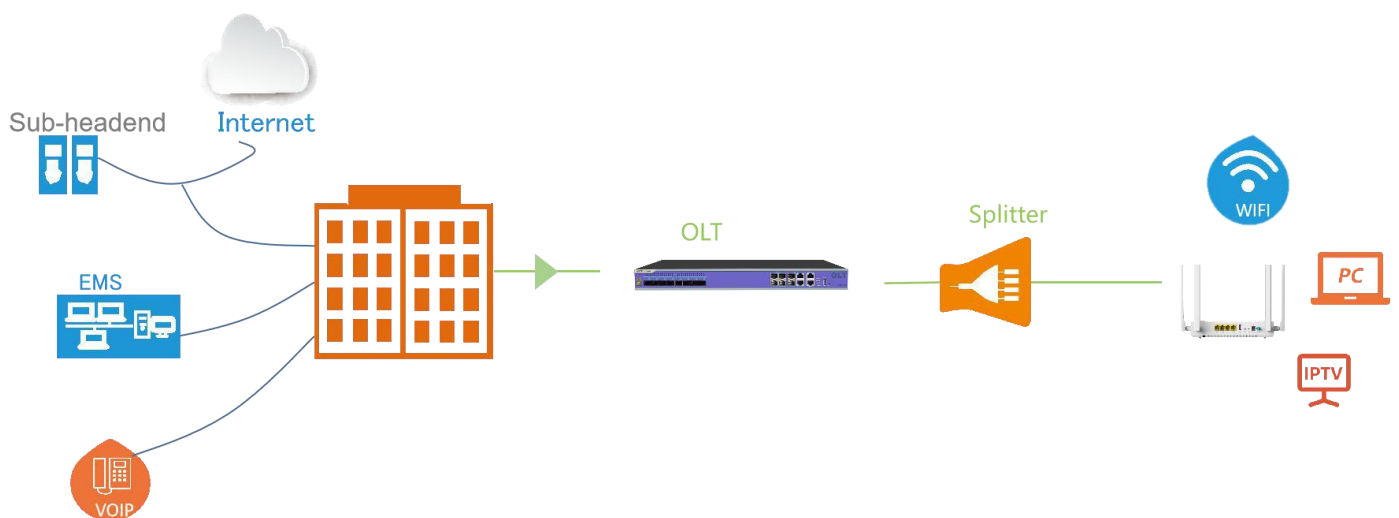


Optional Shell Supply

Brief Views

FD514GS3-R850 is WiFi6 xPON Gateway ONT, it support 802.11a/b/g/n/ac/ax standards over 2.4GHz and 5GHz, max speed can up to 3000Mbps.

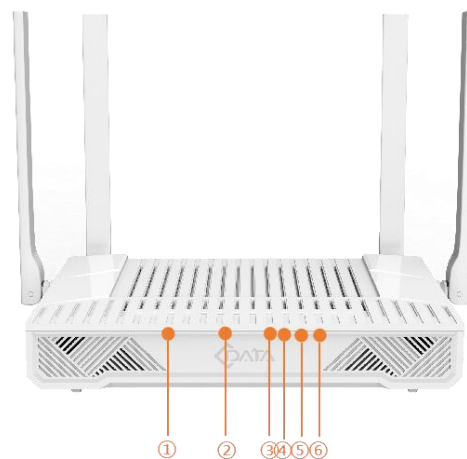
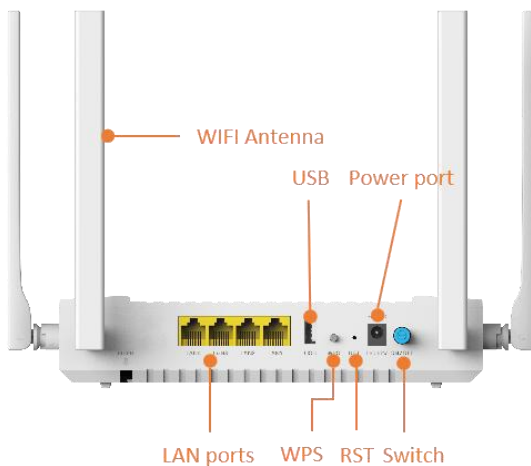
FD514GS3-R850 have a high reliability and provide quality of service guarantee, easy management, flexible expansion and networking. It fully meets the ITU-T and IEEE technical standards and have good compatibility with third party OLT.



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

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; |
| LAN1-4 | 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 | 210mm*135mm*45mm |
| 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 / LAN1-4 / 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

| | |
|---|--|
| IEEE802.11b/g/n(2.4G) / IEEE802.11a/n/ac/ax(5G) | |
| 2.4G: 40Mhz bandwidth maximum rate 574Mbps | |
| 5G: 160Mhz bandwidth maximum rate 2402Mbps | |
| Total wireless rate is 3000Mbps | |
| 2.4G EIRP:22dBm / 5 G EIRP:21dBm | |

Environment

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

Power

| | |
|--|------|
| External 12VDC/1.5A power supply adapter | |
| Power consumption | <18W |

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