

FD514TS3-R880s

1*2.5GE+3GE+Wi-Fi 6 AX3000 XGS-PON ONU



AX3000



**Fiber Optic Tray
Structure**



Preset



CMS Management



Antennas 4*7dBi

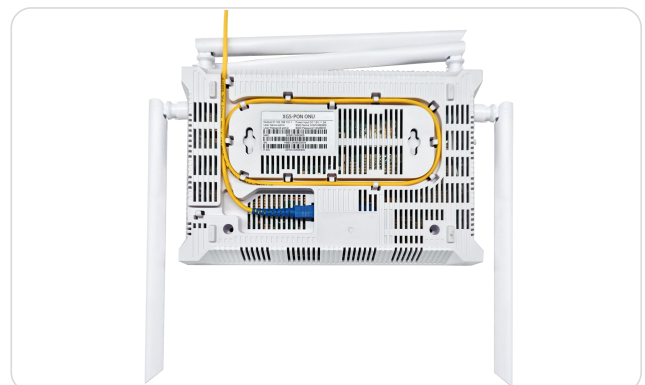


Easy Mesh

Brief Views

FD514TS3-R880s is Wi-Fi 6 XGS-PON Data Gateway ONT. It supports 802.11a/b/g/n/ac/ax standards over 2.4GHz and 5GHz, max speed can up to 3000Mbps.

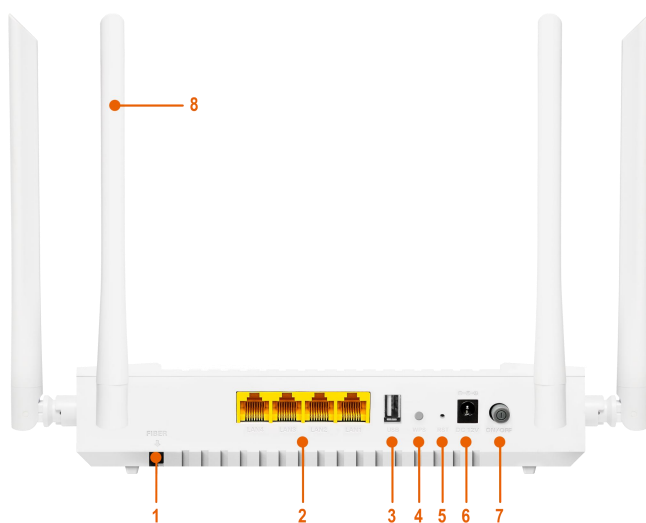
FD514TS3-R880s has a high reliability and provides quality of service guarantee, easy management, flexible expansion and networking. It fully meets the ITU-T and IEEE technical standards and is compatible with mainstream OLT brands around the world. It supports plug-and-play and L2/L3 hybrid modes, can be remotely managed through OMCI/OAM and TR-069, supports unified management by the CMS network management system, and is compatible with PC and mobile web management.



Functional Feature

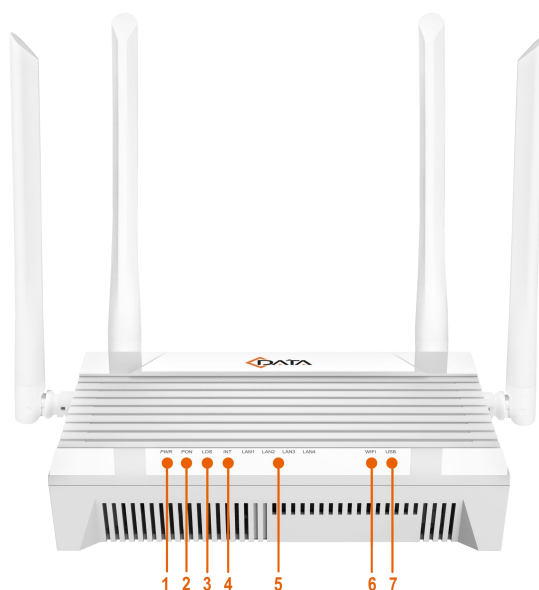
- In compliant with IEEE 802.3av , ITU-T G.987.x, ITU-T G.9807.1 standard
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support SN and LOID+Password multiple registration methods
- Support port VLAN configuration
- Support port-based rate limitation and bandwidth control
- Support port flow-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
- Support Easymesh
- 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



Interface:

- | | | | |
|----------|-----------|-----------|--------|
| 1. PON | 2. LAN1-4 | 3.USB | 4.WPS |
| 5. Reset | 6. Power | 7. Switch | 8.WIFI |



LED:

- | | | | |
|-----------|---------|--------|-------|
| 1. PWR | 2. PON | 3.LOS | 4.INT |
| 5. LAN1-4 | 6. WIFI | 7. USB | |

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;
INT	Internet status indicator	On: The routed WAN Internet access service is normal. Off: The routed WAN Internet access service is abnormal.
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;
WIFI	Wi-Fi	Blinking:Data is being transmitted On:Wi-Fi function Opens
USB	USB port status	On: USB connection is normal; Off: USB connection is not set up;

Product Specification

Mechanics

Dimensions	210mm*135mm*45.5mm
Weight	220g

Hardware

User Port (LAN)		RJ-45 connector	
		1* 10/100/1000M/2.5Gbps adaptive ethernet port	
		3* 10/100/1000Mbps adaptive ethernet port	
		Full/Half duplex	
		Auto MDI/MDI-X	
USB		1* USB 3.0 port	
Indicators		PWR / PON / LOS / INT / LAN1-4 / WIFI / USB	
PON Port	PON Mode	XGS-PON: ITU-T G.9807.1 standard	
	PON Rate	XGS-PON: 10Gbps/10Gbps downstream/upstream	
	Wavelength	Transmit: 1270nm	Receiver: 1577nm
	Receiving Sensitivity	XGS-PON: -28dBm	
	Saturated Power	XGS-PON: -9dBm	

	Transmitting Power	XGS-PON: +4～+9dBm
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Wi-Fi	
IEEE 802.11b/g/n/ax(2.4GHz)	
IEEE 802.11a/n/ac/ax(5GHz)	
Total wireless rate is 3000Mbps	
📶 2.4GHz: 40Mhz bandwidth maximum rate 574Mbps	
📶 5GHz: 160Mhz bandwidth maximum rate 2402Mbps	
2.4GHz MAX TX Power: 17dBm / 5GHz MAX TX Power: 18dBm	

Environment	
Working Temperature	0 to 40° C
Operating Humidity	10% ~ 90% (Non-condensing)

Power	
External DC 12V/2A Power Supply Adapter	
Power Consumption	<21.3W

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