FD714TS3-R850s

4GE+2WIFI6(AX3000)+CATV XGSPON ONU

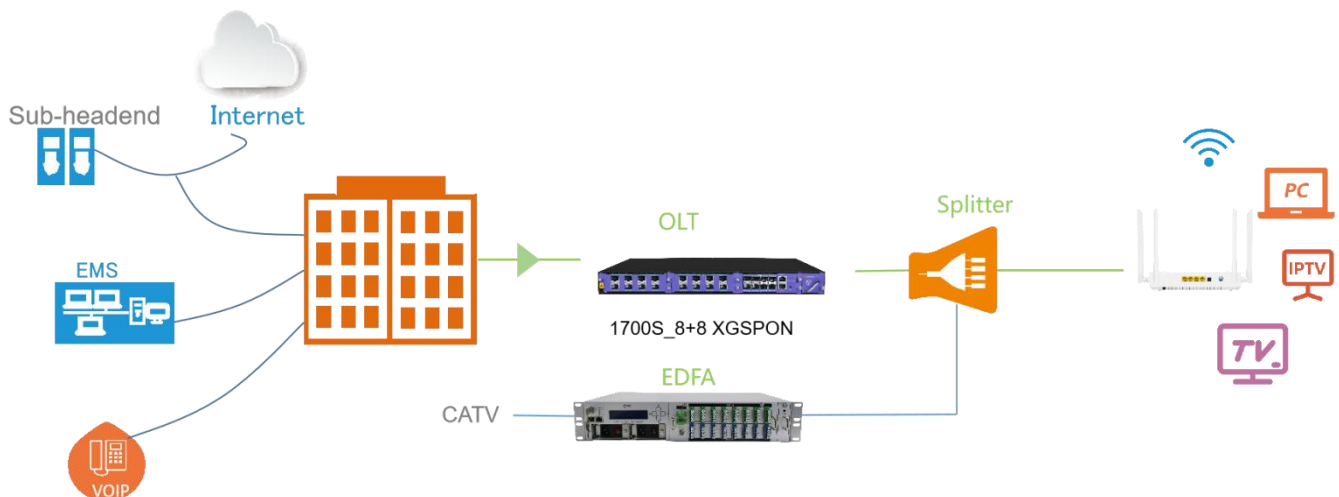| High Speed CPU	Low Power Consumption	Software Customization	Optional Shell Supply

Brief Views

FD714TS3-R850s is WiFi6 XGSPON Gateway ONT,it support 802.11a/b/g/n/ac/ax standards over 2.4GHz and 5GHz,max speed can up to 3000Mpbs.
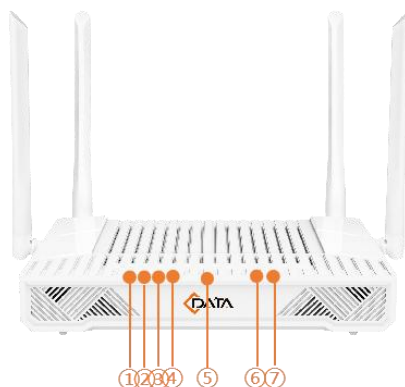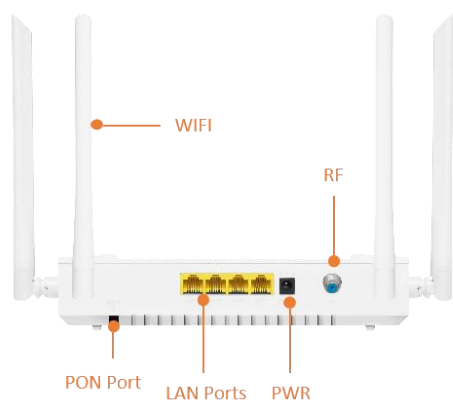
FD714TS3-R850s have a high reliability and provide quality of service guarantee, easy management, flexible expansion and networking. It fully meets the ITU-T technical standards and have good compatibility with third party OLT.

Functional Feature

- 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 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

WIFI

RF

PON Port   LAN Ports   PWR

① PWR
② PON
③ LOS
④ INT
⑤ LAN1-4
⑥ CATV
⑦ WIFI

① ② ③ ④   ⑤   ⑥ ⑦

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
CATV	CATV status	On: CATV optical normal Off:The CATV signals are not received

Product Specification

Mechanics

Dimensions	210mm(L)*135mm(W)*45mm(H)
Weight	About 300g

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 / CATV
PON Port	PON Mode	XGSPON：FSAN G.9807.1 standard
	PON Rate	XGSPON：10Gbps/10Gbps downstream/upstream
	Wavelength	Transmit: 1270nm　Receiver: 1577nm
	Receiving sensitivity	XGSPON：-28dBm
	Saturated power	XGSPON：-9dBm
	Average sending	XGSPON：+4～+9dBm

WIFI

IEEE802.11b/g/n/ax(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

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

Environment

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

Power

External 12VDC/2A power supply adapter	
Power consumption	<18.9W