

FD714TS3-R850s

1*2.5G+3GE+2WIFI6(AX3000)+CATV



High Speed CPU



Low Power Consumption



Software Customization

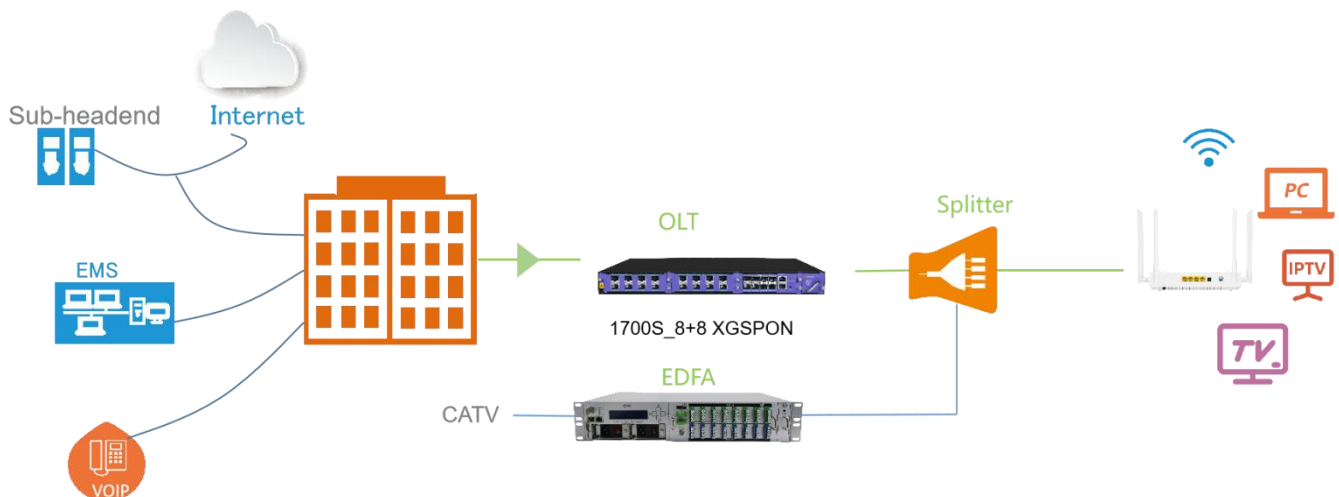


Optional Shell Supply

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 3000Mbps.

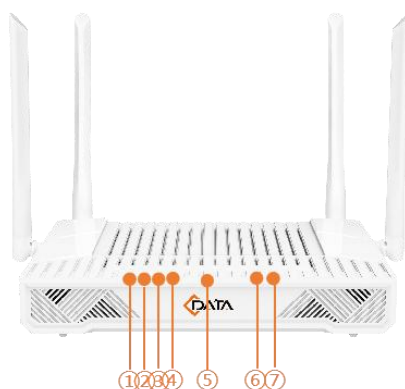
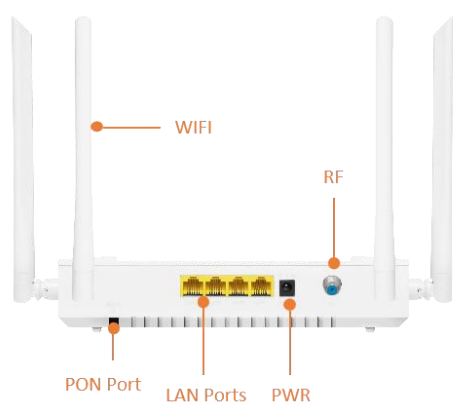
FD714TS3-R850s have a high reliability and provide quality of service guarantee, easy management, flexible expansion and networking. It fully meets the ITU-T technical standards and have good compatibility with third party OLT.



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



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

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	
		3* 10/100/1000Mbps and 1*2.5G adaptive Ethernet port (There is a 2.5G LAN port, which defaults to 2.5G. Compatible with GE/2.5G)	
		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

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