FD624TS3-R850s

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

High Speed CPU

Low Power Consumption
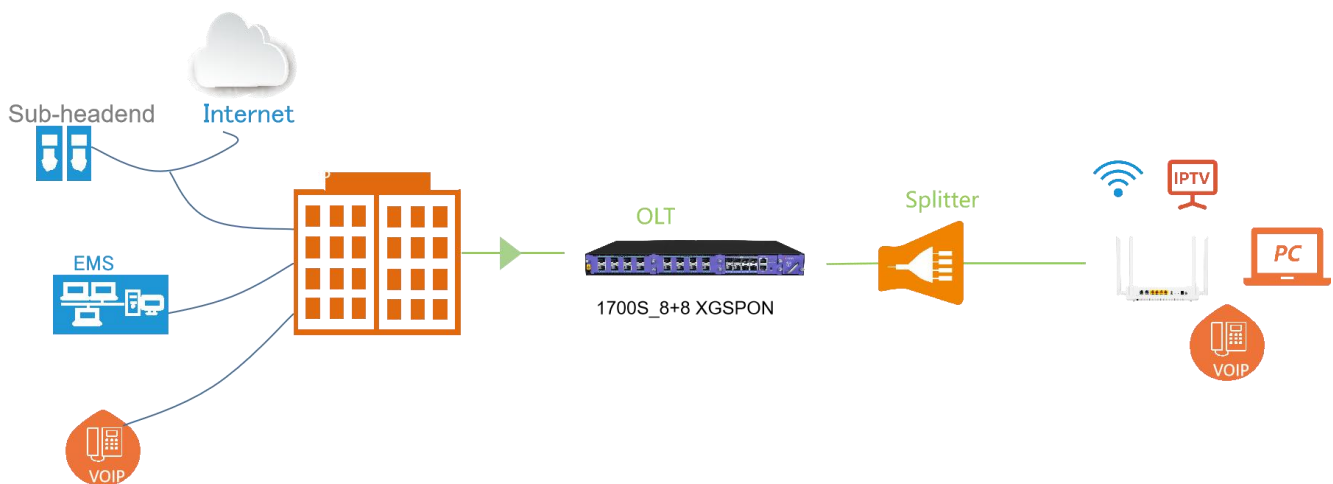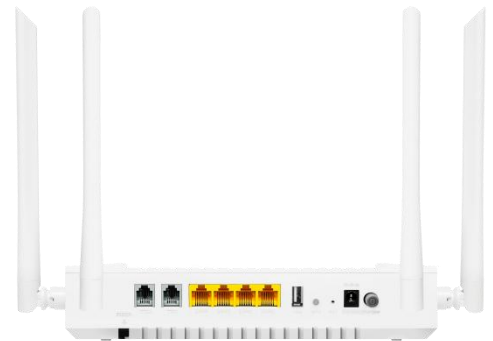
Software Customization

Optional Shell Supply

Brief Views

FD624TS3-R850s is WiFi6 XGSPON VoIP Gateway ONT,it support 802.11a/b/g/n/ac/ax standards over 2.4GHz and 5GHz,max speed can up to 3000Mpbs.
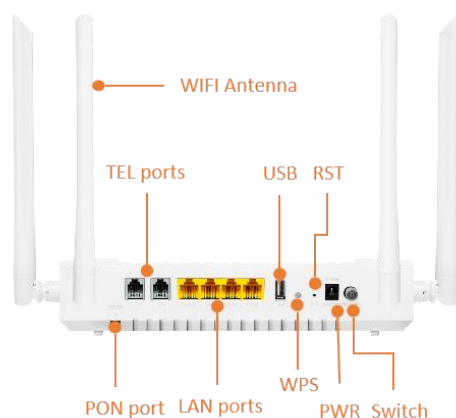
FD624TS3-R850s have a high reliability and provide quality of service guarantee, easy management, flexible expansion and networking.

Sub-headend

Internet

EMS

VOIP

OLT

1700S_8+8 XGSPON

Splitter

IPTV

PC

VOIP

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 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

WIFI Antenna

TEL ports   USB RST

PON port LAN ports   WPS   PWR Switch

① PWR
② PON
③ LOS
④ INT
⑤ LAN1-4
⑥ TEL1-2
⑦ WIFI
⑧ USB

①②③④ ⑤ ⑥⑦⑧

LED Definitions

Indicator		Description
PWR	Power status	On: The ONT is power on; Off: The ONT is Power off;
XGSPON	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.
TEL1-2	Telephone port status	On:The connection between the TEL port and the voice server has been set up Blinking:The voice service of the TEL port is established; Off:The connection between the TEL port and the voice server is not set up.
WIFI	WIFI	Blinking:Data is being transmitted On:WIFI function Opens
USB	USB port status	On: USB connection is normal; Off: USB connection is not set up;

Product Specification

Mechanics	
Dimensions	210mm(L)*135mm(W)*45mm(H)
Weight	About 228g

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 / TEL1-2 / WIFI /USB
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

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	

User Port(POTS)

User Port(POTS)
RJ-11 connector
2*accounts
SIP protocol
TDMF
G711U/G711A/G729/G722 encoding and decoding

Environment

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

Power

Power	
External 12VDC/2A power supply adapter	
Power consumption	<23.3W