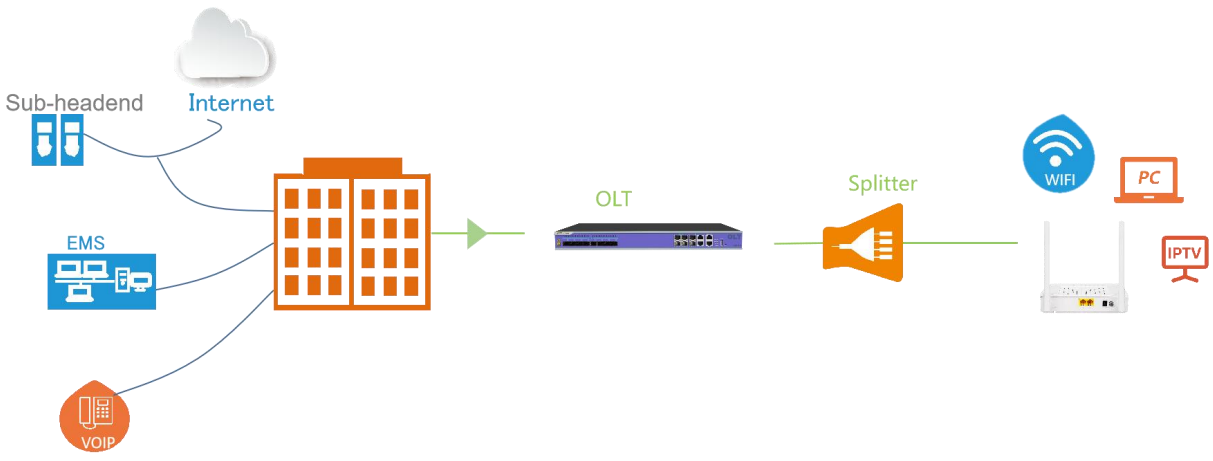
FD512XW-R550

1GE+1FE+WIFI XPON ONU

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

Brief Views

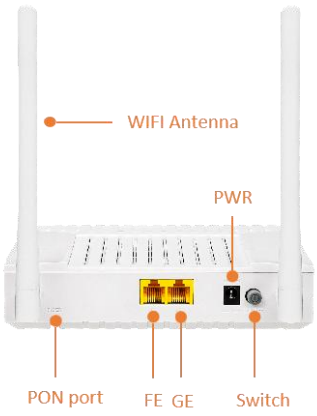
FD512XW-R550 is an indoor fiber broadband access terminal. The device provides one GPON / EPON adaptive optical port and supports XPON mode. It can be used in connection with our company FD16/17 series GPON OLT or FD12 / 13 series EPON OLT. It can also interconnect with the mainstream manufacture (Huawei / ZTE / Fiberhome) GPON or EPON OLT to provide users with Internet and WIFI services based on GPON and EPON technology.



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
- Single-fiber access, provides internet, WIFI multiple service.

Product Interface and LED



① PWR

② PON

③ LOS

④ INT

⑤ GE

⑥ FE

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;
GE/FE	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	170*120*41mm
Weight	About 0.20kg

Hardware			
User Port (LAN)		RJ-45 connector	
		1*10/100 and1 *10/100/1000Mbps adaptive Ethernet port	
		Full/half duplex	
		Auto MDI/MDI-X	
Indicators		PWR / PON / LOS / GE / FE / 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 performance parameter
IEEE802.11b/g/n(2.4G)
Max rate: 300M(2.4G)
MAX TX power 2.4G:17dBm

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

Power	
External 12VDC/0.5A power supply adapter	
Power consumption	⩽4.2W

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