

# FD514GS1-R550

4GE+2WIFI6(AX1500) XPON ONU



High Speed CPU



Low Power Consumption



Software Customization

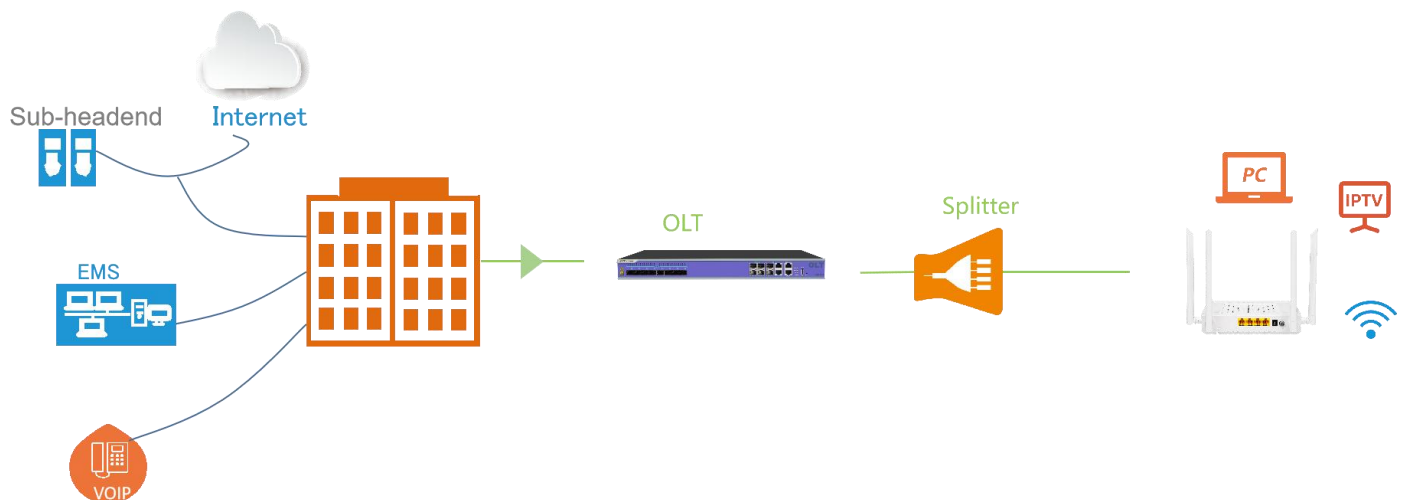


Optional Shell Supply

## Brief Views

FD514GS1-R550 is WiFi6 xPON Gateway ONT, it supports 802.11a/b/g/n/ac/ax standards over 2.4GHz and 5GHz, max speed can up to 1500Mbps.

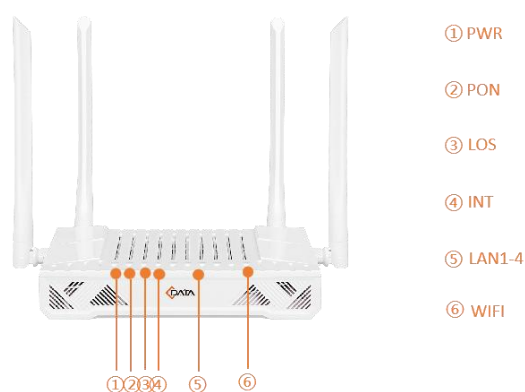
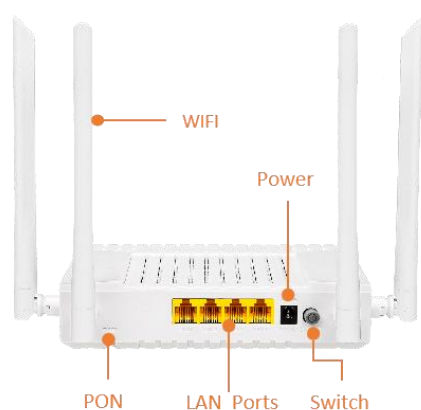
FD514GS1-R550 has a high reliability and provides quality of service guarantee, easy management, flexible expansion and networking. It fully meets the ITU-T and IEEE technical standards and has good compatibility with third party OLT.



## 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

## Product Interface and LED



## 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

## Product Specification

### Mechanics

Dimensions	170mm*120mm*41mm
Weight	About 228g

### 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	
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

IEEE802.11b/g/n/ax(2.4G) / IEEE802.11a/n/ac/ax(5G)	
2.4G: 40Mhz bandwidth maximum rate 300Mbps	
5G: 80Mhz bandwidth maximum rate 1201Mbps	
Total wireless rate is 1500Mbps	
2.4G EIRP:24dBm / 5 G EIRP:22dBm	

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

Power	
External 12VDC/1A power supply adapter	
Power consumption	<12W