ONU XPON 4GE+DUAL BAND WIFI

SUX4G2W

SUPREME

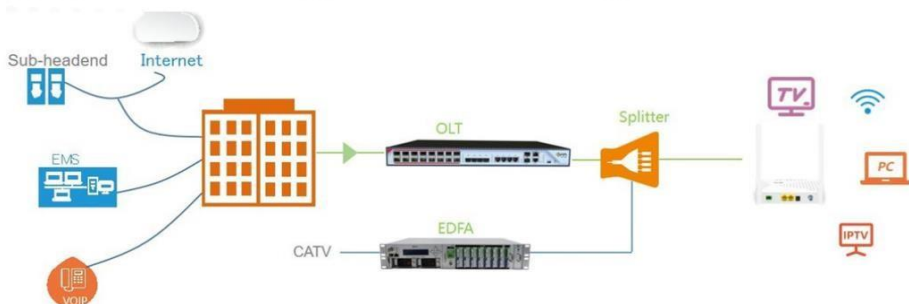## BRIEF VIEWS

FD514GD-R460 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 series GPON OLT or FD11 / 12 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 basedon GPON and EPON technology.

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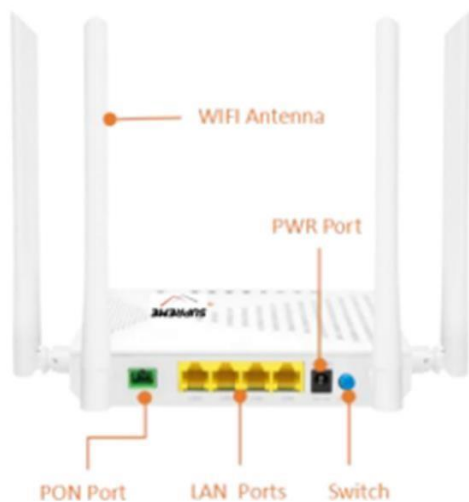
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FUNCTIONALFEATURE

- 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 addresslearning
- Support MAC address learningaccount limit
- Support VLAN transparent/tag/translate/trunk
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- Support broadcasting storm resistance function
- Support igmp transparent/snooping/proxy mode
- Support DynamicBandwidth Allocation (DBA)
- Support AES encryption and decryption
- EMS networkmanagement based on SNMP ,convenient for maintenance
- Support power-off alarm function ,easy for link problem detection
- Support Firewall
- Support MAC address/URL filter
- Support remoteWEB/Telnet access control
- Single-fiber access,provides internet, WIFI multiple service.

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PRODUCT INTERFACE AND LED

WIFI Antenna

PWR Port

PON Port   LAN Ports   Switch

① PWR

② PON

③ LOS

④ INT

⑤ LAN1-4

⑥ WIFI

①②③④ ⑤ ⑥

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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;
LAN	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

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PRODUCT SPECIFICATION

Mechanics	
Dimensions	214mm(L)*139.5mm(W)*32mm (H)
Weight	About 0.228kg

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 / LAN / INT / WIFI

PONT 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

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WIFIperformance parameters
IEEE802.11b/g/n(2.4G) IEEE802.11a/n/ac(5G) Max rate: 300M(2.4G) Max rate: 867Mbps(5G) MAX TX power 2.4G:17dBm MAX TX power5G:17dBm
Environment
Working temperature 0 to 40°C Operating humidity 10% ~ 90% (Non-condensing)
Power

External 12VDC/1A Power consumption	power supply adapter ≤9.7W