XPON ONU4GE+CATV+2WIFI

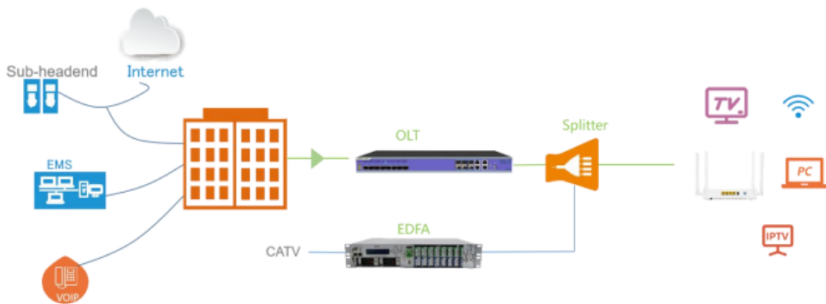**SUPREME**

Brief Views

SUX4G1R2W6-15 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, WIFI and CATV services based on GPON and EPON technology
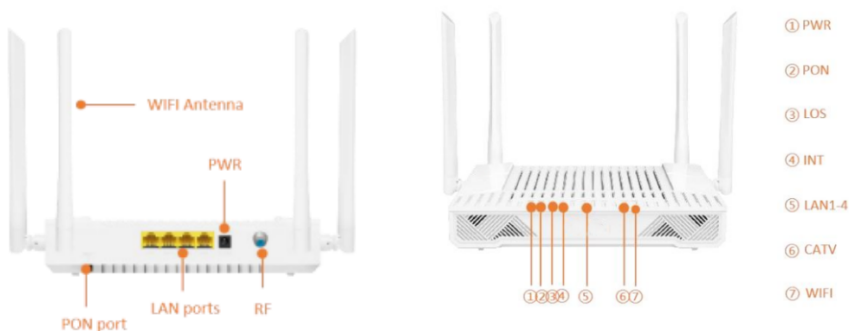
XPON ONU4GE+CATV+2WIFI

SUX4G1R2W6-15

SUPREME

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 ,convenientfor maintenance
- Support power-off alarm function ,easy for linkproblemdetection
- Support Firewall 🛇 Support MAC address/URL filter
- Support remote WEB/Telnet access control
- Support remote CATV port management

Product Interface and LED

WIFI Antenna
PWR
LAN ports
RF
PON port

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

①②③④ ⑤ ⑥⑦

XPON ONU4GE+CATV+2WIFI

SUX4G1R2W6-15

SUPREME

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(1-4)	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*135mm*45mm
Weight	About 300g

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(1-4) / INT / CATV /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

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

WIFI performance parameter

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	≤10.6W