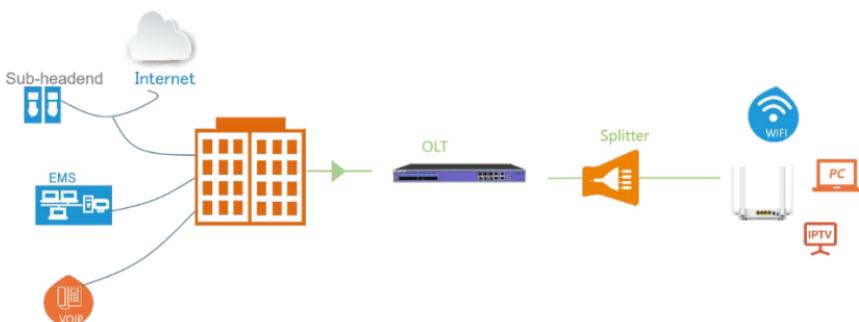


# ONU 4GE+2WIFI6 (AX1500)

SUX4G2W6-15

## Brief Views

SUX4G2W6-15 WiFi6 xPON Gateway ONT, it support 802.11a/b/g/n/ac/ax standards over 2.4GHz and 5GHz, max speed can up to 1500Mbps. have a high reliability and provide quality of service guarantee, easy management, flexible expansion and networking. It fully meets the ITU-T and IEEE technical standards and have good compatibility with third party OLT.

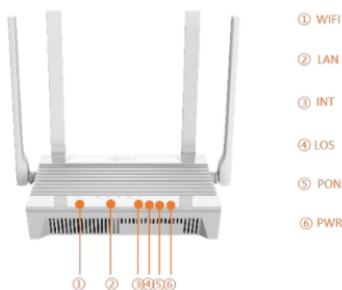
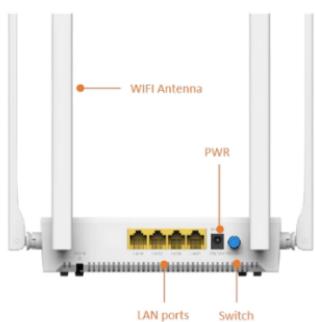


## Functional Feature

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



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## LED Definitions

Indicator	Description	
Power status	On: The ONT is power on; Off: The ONT is Power off;	
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;	
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;
	Internet status indicator	On: The routed WAN Internet access service is normal. Off: The routed WAN Internet access service is abnormal.
	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	<table border="1"><tr><td>PON Mode</td><td>EPON: 1000BASE-PX20+ symmetric GPON: FSAN G.984.2 standard, Class B+</td></tr><tr><td>PON Rate</td><td>EPON: 1.25Gbps downstream/upstream GPON: 2.488Gbps/1.244Gbps downstream/upstream</td></tr><tr><td>Wavelength</td><td>Transmit:1310nm Receiver:1490nm</td></tr><tr><td>Receiving sensitivity</td><td>EPON: -27dBm GPON: -28dBm</td></tr><tr><td>Saturated power</td><td>EPON: -3dBm GPON: -8dBm</td></tr><tr><td>Transmitting power</td><td>EPON:0~4dBm GPON: 0.5~5dBm</td></tr></table>	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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## WIFI

IEEE802.11b/g/n(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

