SPU-GE231W-H

1GE+1FE+WIFI Dual-Mode ONU

Brief Views

SPU-GE231W-H dual-mode ONU supports EPON and GPON two modes access. The ONU automatically switches into the corresponding PON mode by identifying the local OLT mode to complete GPON or EPON adaptive access.
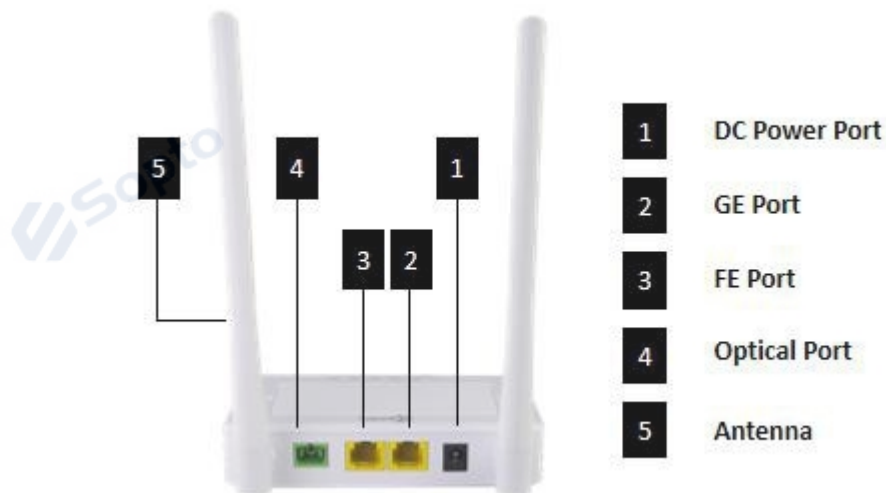
SPU-GE231W-H have a high reliability and provide quality of service guarantee, easy management, flexible expansion and networking. It fully meets the ITU-T and IEEE technical standards and have good compatibility with third party OLT.
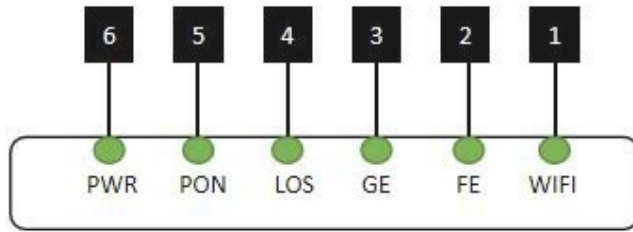
SPU-GE231W-H integrates wireless function which meets 802.11 b/g/n technical standards. It has two external high gain omnidirectional antennas, the wireless transmission rate up to 300Mbps. It has the characteristics of strong penetrating power and wide coverage. It can provide users with more efficient data transmission security.

Features

- In compliant with IEEE802.3ah and ITU - T G.984 standard
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Meet 802.11 b/g/n technical standards
- Support VLAN transparent, tag configuration
- Support multicast function
- Support DHCP/Static/PPPOE internet mode
- Support port-binding
- Support OAM/OMCI+TR069 remote management
- Support data encryption and decryption function
- Support Dynamic Bandwidth Allocation (DBA)
- Support MAC filter and URL access control
- Support power-off alarm function ,easy for link problem detection
- Specialized design for system breakdown prevention to maintain stable system
- EMS network management based on SNMP ,convenient for maintenance

Product Interface and LED Definitions

1	DC Power Port
2	GE Port
3	FE Port
4	Optical Port
5	Antenna

1	WIFI Status
2	FE Port Status
3	GE Port Status
4	Optical Signals Status
5	ONU Register Status
6	Power Status

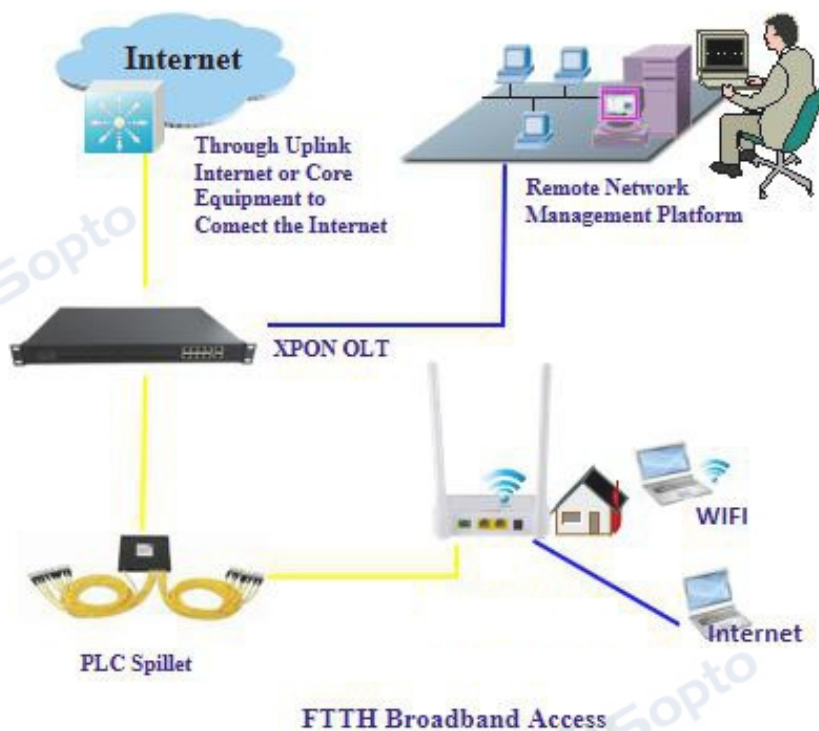| Indicator			Description
1	WIFI	WIFI	Blinking：Data is being transmitted On：WIFI function Open Off：WIFI function Close
2	FE	FE Port status	On: Ethernet connection is normal; Blinking: Data is being transmitted through the Ethernet port; Off: Ethernet connection is not set up;
3	GE	GE Port status	On: Ethernet connection is normal; Blinking: Data is being transmitted through the Ethernet port; Off: Ethernet connection is not set up;
3	LOS	XPON optical signals	On: Optical power lower than receiver sensitivity ; Off: Optical in normal
4	PON	ONT Register	On: Success to register to OLT Blinking: In process of registering to OLT; Off: In process of registering to OLT;
5	PWR	Power status	On: The ONU is power on; Off: The ONU is Power off;

Specification

Item		Parameter
Interface	EPON/GPON Interface	SC/UPC single mode single fiber GPON：FSAN G.984.2 standard, Class B+ EPON：1000BASE-PX20+ symmetric GPON：2.488Gbps/1.244Gbps downstream/upstream EPON：1.25Gbps downstream/upstream Wavelength: Transmit: 1310nm Receiver: 1490nm Receiving sensitivity : GPON：-28dBm EPON：-27dBm Saturated power : GPON：-8dBm EPON：-3dBm Transmitting power : GPON：0.5～5dBm EPON:0～4dBm

	Ethernet Interface	1*10/100/1000M and 1*10/100M auto-negotiation Full/half duplex mode
		RJ45 connector Auto MDI/MDI-X 100m distance
	Power Interface	12V DC Power supply
Network Management	Management Mode	OMCI, OAM, TR069, WEB, Telnet
	Management Function	Status monitor, Configuration management, Alarm management, Log management
Physical Features	Power	<4W, 12V/0.5A power supply adapter
	Physical Specifications	Item Dimension：228mm(L) x108mm(W) x 28mm (H) Item Net Weight：about 136g
	Environmental Specifications	Operating temperature: 0 to 40ºC Operating humidity: 10% to 90%(Non-condensing)

Network Application

- Typical Solution：FTTH

- Typical Business：INTERNET, WIFI

Ordering Information

Product Name	Product Model	Descriptions
1GE+1FE+WIFI	SPU-GE231W-H	G/EPON ONU 1*10/100/1000M and 1*10/100M Ethernet interface，with 2.4GHz WIFI

Note:

1、Default operating case temperature is 0 ~ 70℃. If you need -40 ~85℃ products, add "T" after Part Number .

2、If you need more customized services, please contact us.

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