

SPU-GE22WD-H 2GE+Dual-Band WIFI Dual-Mode ONU



Brief Views

SPU-GE22WD-H is a single dual-mode ONU designed to meet the needs of telecommunications and radio and television operators for FTTH fiber-to-the-home multi-service access. This product integrates Gigabit Ethernet through mature, stable and cost-effective Gigabit XPON technology Switching technology, WDM technology, has the characteristics of high bandwidth, high reliability, easy management and good quality of service (QoS) guarantee. The functions and performance indicators of the equipment meet ITU-T, IEEE related recommendations, relevant international standards and technical specifications of industry standards, and are compatible with mainstream manufacturers' central office OLTs.

The SPU-GE22WD-H dual-mode ONU optical interface supports EPON and GPON access. The ONU automatically recognizes the central office OLT mode (GPON or EPON) and activates the corresponding PON mode to complete GPON or EPON adaptive access.

SPU-GE22WD-H can integrate wireless functions, fully comply with 802.11 b/g/n/ac wireless standard protocol, dual external high-gain omnidirectional antennas, wireless transmission rate up to 876Mbps, with strong penetrating power and wide coverage, Provide users with more efficient

data transmission guarantee.

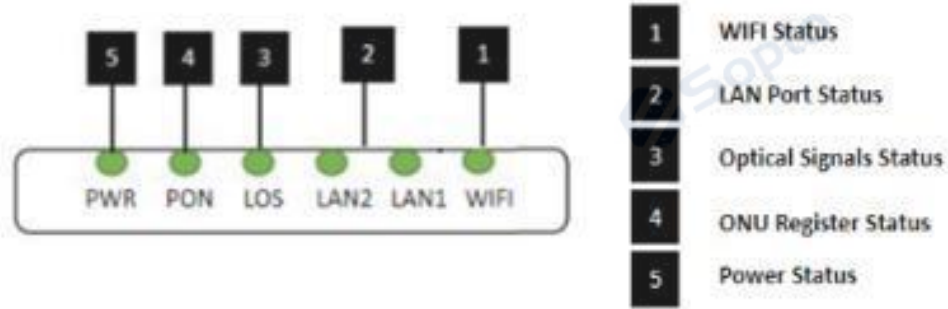
The device shell adopts a personalized multi-contour vent design, which is simple, stylish, and stable, and uses high-quality environmentally friendly materials, impact resistance, high temperature resistance, and good heat dissipation effect, providing users with safer Internet access.

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 a/b/g/n/ac WIFI technical standard
- 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





Indicator			Description
1	WIFI	WIFI status indicator	Blinking: Wi-Fi terminal connection On: WIFI function Open Off: WIFI function Close
2	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;
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: Failed to register to OLT or no normal optical signal input;
5	PWR	Power status	On: The ONU is power on; Off: The ONU is Power off;

Specification

Item	Parameter
EPON/GPON Interface	<p>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</p> <p>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</p>

	Ethernet Interface	2*10/100/1000M 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	External 12V DC/1A power supply adapter Power consumption: <6W
	Physical Specifications	Item Dimension: 160mm(L)*139.5mm(W)*28.5mm(H) Item Net Weight: about 230g
	Environmental Specifications	Operating temperature: 0 to 40°C Operating humidity: 10% to 90%(Non-condensing)

WIFI Specification

- Comply with IEEE 802.11a/b/g/n/ac protocol standard, support 2.4GHz and 5GHz
- There are four external antennas
- 5dBi antenna gain
- Maximum ideal rate up to 1.2Gbps
- 2.4GHz supports 2*2 MIMO (Multiple-Input Multiple-Output) technology
- 5GHz supports 2*2 MIMO (Multiple-Input Multiple-Output) technology
- Support 8 SSIDs
- Support wider RF bandwidth, up to 80MHz
- Support higher 256-QAM modulation mode
- Support MIMO-OFDM encoding mode
- Support wireless security of 64/128 bit WEP、802.1x、WPA and WPA2

Network Application

- Typical Solution: FTTH
- Typical Business: INTERNET, WIFI



Network Application

Product Name	Product Model	Descriptions
2GE+Dual-Band WIFI	SPU-GE22WD-H	G/EPON ONU 2*10/100/1000M Ethernet interface, support 2.4G Hz and 5GHz WIFI 802.11ac

If you need more customized services, please contact us.

E-mail: info@sopto.com.cn

Web : <http://www.sopto.com.cn>