

CLD-4GE+2POTS+DUAL-WIFI ONU



OVERVIEW

CLD-4GE+2POTS+DUAL-WIFI voice type ONU is one of the GPON optical network unit design to meet the requirement of the broadband access network. It apply in FTTH/FTTO to provide the data, voice and video service based on the GPON network.

CLD-4GE+2POTS+DUAL-WIFI features high-performance forwarding capabilities to ensure excellent experience with VoIP, Internet and HD video services. It has good compatibility to work with the third party OLT, such as Huawei/ZTE/Fiberhome/Alcatel-Lucent. It provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment.

CLD-4GE+2POTS+DUAL-WIFI integrates wireless function which meets 802.11 a/b/g/n/ac technical standards. At the same time, it also supports 2.4GHz/5GHz dual-band wireless signal. It has the characteristics of strong penetrating power and wide coverage. It can provide users with more efficient data transmission security.

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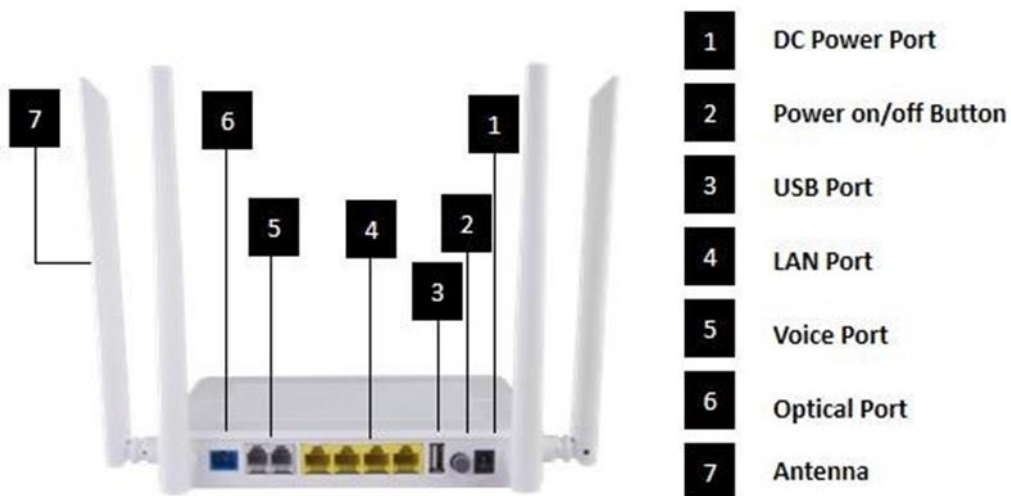
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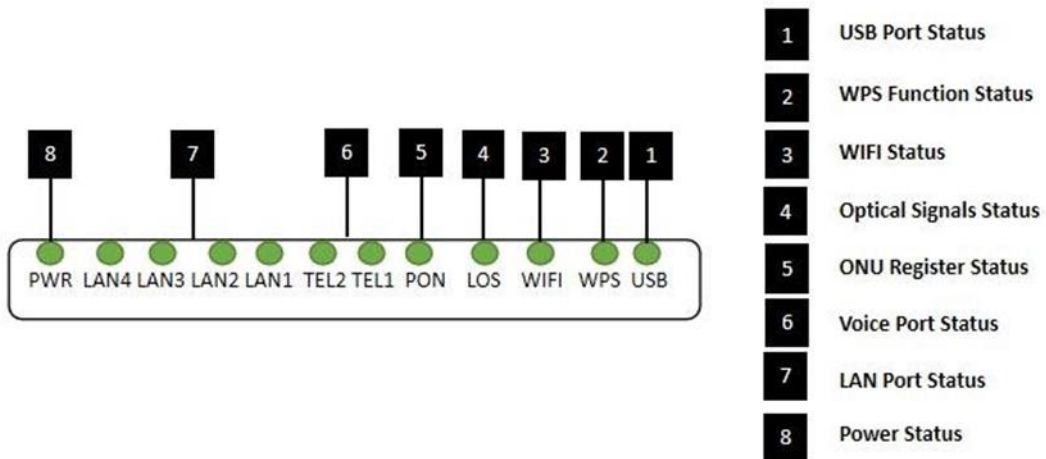
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FEATURES

-  In compliant with ITU - T G.984.1/2/3/4 standard
-  Meet 802.11 a/b/g/n/ac WIFI technical standard
-  Support ONU auto-discovery/Link detection/remote upgrade of software
-  Support Ethernet line performance statistics function
-  Support OMCI+TR069 management mode
-  Support VLAN tag/untag
-  Support multicast Snooping/Proxy
-  Support DHCP/PPPOE/Static IP internet mode
-  Support port binding
-  Support loop-detection function
-  Support device-based speed limitation
-  Support MAC-address filter and URL access control
-  Support H.248 and SIP protocol
-  Support AES encryption and decryption
-  Support Dynamic Bandwidth Allocation (DBA)
-  Support ACL configure data packet filter flexibly
-  EMS network management based on SNMP, convenient for maintenance

PRODUCT INTERFACE AND LED DEFINITIONS

















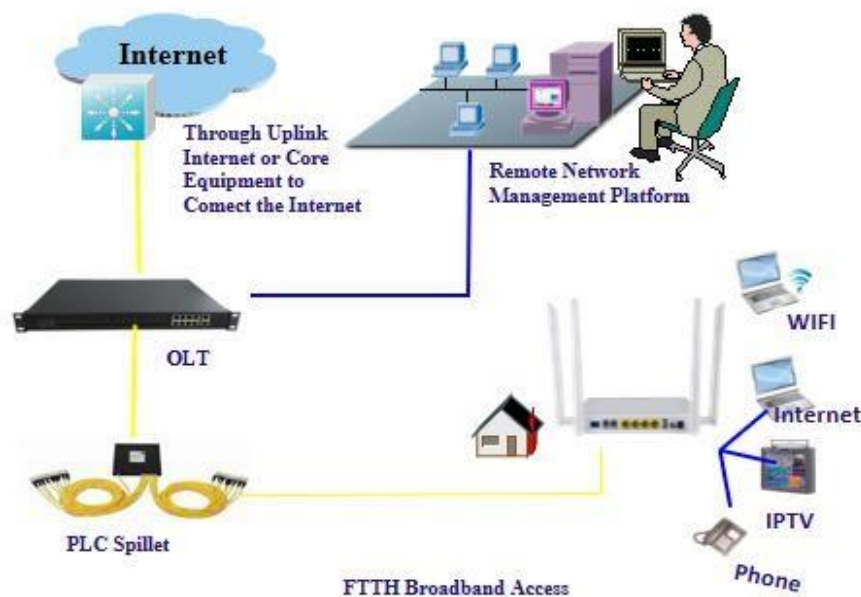
Indicator		Description	
1	USB	USB port status	On: USB connection is normal. Off: USB connection is not set up.
2	WPS	WPS status	Blinking: In the connected state, waiting for the device to access. Off: In the not connected state.
3	WIFI	WIFI	Blinking: Data is being transmitted. On: WIFI function Opens.
4	LOS	GPON optical signals	On: Optical power lower than receiver sensitivity. Off: Optical in normal.
5	PON	ONU Register	On: Success to register to OLT. Blinking: In process of registering to OLT. Off: In process of registering to OLT.
6	TEL1-2	Telephone port status	On: The connection between the TEL port and the voice server has been set up. Blinking: The voice service of the TEL port is established. Off: The connection between the TEL port and the voice server is not set up.
7	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.
8	PWR	Power status	On: The ONU is power on. Off: The ONU is Power off.

SPECIFICATION



Item	Parameters	Specification
Interface	PON Interface	1*GPON port, FSAN G.984.2 standard, Class B+ Downstream Data Rate : 2.488Gbps Upstream Data Rate : 1.244Gbps SC/UPC single mode fiber 28dB Link loss and 20KM distance with 1:128
	POTS Interface	2*RJ11 Max 1km distance Balanced Ring, 50V RMS
	Ethernet Interface	4*10/100/1000M auto-negotiation Full/half duplex mode RJ45 connector Auto MDI/MDI-X 100m distance
	USB interface	1*USB 2.0 interface Transmission Rate: 480Mbps
	Power Interface	12V DC Power supply
Performance Parameters	PON Optical Parameter	Wavelength: Tx 1310nm, Rx1490nm Tx Optical Power: 0.5~5dBm Rx Sensitivity: -28dBm Saturation Optical Power: -8dBm
	Data Transmission Parameter	PON Throughput: Downstream 2.488Gbit/s; Upstream 1.244Gbit/s Ethernet: 1000Mbps Packet Loss Ratio: <1*10E-12 latency: <1.5ms
Network Management	Management Mode	OMCI, TR069, WEB, Telnet
	Management Function	Status monitor, Configuration management, Alarm management, Log management
Physical Features	Power	External 12VDC/1.5A power supply adapter Power consumption: <13W
	Dimension & Weight	Item Dimension: 240mm(L)*240mm(W)*24mm(H) Item Net Weight: about 317g
	Environment	Operating Temperature: 0~40°C Operating Humidity: 10%~90% (non-condensing)

WIFI FEATURES

-  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 mesh router function
-  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, Voice, WIFI

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