
XPON ONU 4GE-DW

Technical Specifications



1. Overview

ONT-4GE-DW is launched to be oriented to multi-service integration network as an optical network unit device, which belongs to XPON HGU terminal for FTTH/O scenario. It configures four 10/100/1000Mbps ports, WiFi (2.4G+5G) port that providing with high-speed data services and high-quality video services to users.

Hardware parameters

Dimension	220mm x 150mm x 32mm(Without antenna)
Weight	Approximately 310g
Working environment temperature	0°C ~ +40°C
Working environment humidity	5% RH~95% RH, non-condensing
Power adapter input level	90V~270V AC, 50/60Hz
Device power supply	11V~14V DC, 1.5 A
Static power consumption	7.5 W
Maximum power consumption	18 W
Interfaces	4GE+Wi-Fi(2.4G+5G)
indicator light	POWER/PON/LOS/LAN/WLAN

Interface parameters

PON interface	<ul style="list-style-type: none">• ClassB+• -27dBm receiver sensitivity• Wavelength: upstream 1310nm, downstream 1490nm• Support WBF• Flexible mapping between GEMPort and TCONT• Authentication method:SN/password/LOID(GPON)• Two-way FEC(Forward error correction)• Support DBA for SR and NSR
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Ethernet port	<ul style="list-style-type: none"> • Stripping based on VLAN Tag/Tag for Ethernet port. • 1:1 VLAN/N:1 VLAN/VLAN Pass-through • QinQ VLAN • MAC address limit • MAC address learning
WLAN	<ul style="list-style-type: none"> • IEEE 802.11b/g/n • 2×2MIMO • Antenna gain: 5dBi • WMM(Wi-Fi multimedia) • Multiple SSID • Multiple WPS

5G parameters

Network standard	IEEE 802.11ac
Antennas	2T2R, support MU-MIMO
Maximum supported rates	20M:173.3Mbps 40M:400Mps 80M:866.7Mbps
Data modulation type	BPSK QPSK 16QAM 64QAM 256QAM
Maximum output power	≤20dBm
Typical channel (customizable)	36、40、44、48、52、56、60、64、100、104、108、112、116、120、124、128、132、136、140、144、149、153、157、161、165
Encryption mode	WPA、WPA2、WPA/WPA2、WEP、NONE
Encryption type	AES、TKIP

1. Function Data

Intelligent interconnection

- WiFi intelligence coverage
- Support hd data streaming
- Any port anyservice
- Parental control
- L2/L3(IPv4) re-transmission: 1G forward, 2G backward

Properties for three layers

- PPPoE/static IP/DHCP address access
- NAT/NAPT
- ALG,UPnP
- DDNS/DNS server/DNS client
- IPv6/IPv4 dual-stack,DS-Lite
- Static route/default route

Multicast

- IGMP v2/v3snooping
- IGMP v2proxy
- IGMP v3proxy
- MLD v1/v2snooping

Qos

- Ethernet port speed limit
- 802.1p priority
- SP/WRR/SP+WRR
- Broadcast message speed limit

Security

- SPIFirewall
- MAC/IP/URL address filtering

O&M

- OMCI/WebUI/TR069

Powersaving

- Indicator light energy-efficient
- Timing switch