

SOFTTEL



ONT-2GE-DW

1*XPON+2GE+WiFi5 ONT

Key Features:

- Detect and exchange PON mode automatically.
- Support EasyMesh protocol
- WiFi5 Dual Band 1200Mbps
- IPv4/IPv6 Stack

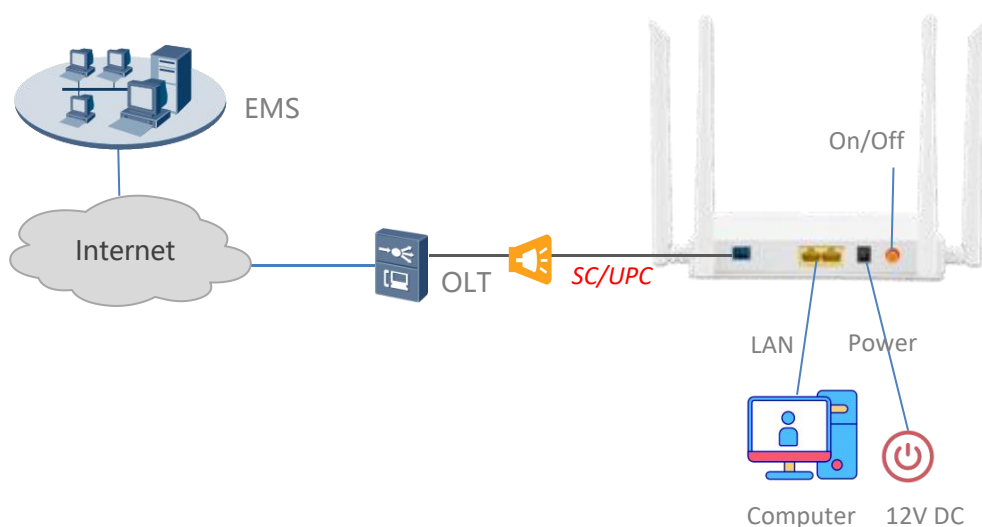


Introduction:

ONT-2GE-DW (2GE+WiFi5 XPON ONT) is designed to meet the FTTH and triple play service requirements of fixed network operators. The ONT is based on a high-performance chipset (Realtek) technology solution, supporting IEEE802.11b/g/n/ac WIFI technology and other Layer 2/Layer 3 functions. The ONT supports the OAM/OMCI protocol, and we can configure or manage various services of the ONT on the SOFTTEL OLT.

The ONU has high reliability and is easy to manage and maintain. It has QoS guarantees for different services. It complies with the China Telecom CTC2.1/3.0 and international technical standards such as IEEE802.3ah, ITU-T G.984, etc.

Application Chart:



○ Hardware Parameter

Dimension	178mm×120mm×30m(L×W×H)
Net weight	0.31Kg
Operating condition	Operating temp: 0 ~ +55°C Operating humidity: 10 ~ 90% (non-condensed)
Storing condition	Storing temp: -30 ~ +60°C Storing humidity: 10 ~ 90% (non-condensed)
Power adapter	DC 12V, 1.0A, external AC-DC power adaptor
Power supply	≤12W
Interface	2GE+WiFi5
Indicators	PWR, PON, LOS, WAN, LAN1, LAN2, 2.4G, 5G

○ Interface parameter

PON interface	<ul style="list-style-type: none"> • 1XPON port(EPON PX20+ and GPON Class B+) • SC single mode, SC/UPC connector • TX optical power: 0~+4dBm • RX sensitivity: -27dBm • Overload optical power: -3dBm(EPON) or -8dBm (GPON) • Transmission distance: 20KM • Wavelength: TX 1310nm, RX1490nm
WiFi interface	<ul style="list-style-type: none"> • Compliant with IEEE802.11b/g/n/ac • WiFi:2.4GHz 2×2, 5.8GHz 2×2, 5dBi antenna, rate up to 1.167Gbps, Multiple SSID • TX power: 2.4GHz: 23dBm; 5GHz: 24dBm • RX power: 2.4GHz: HT40-MCS7 -72dBm; 5GHz: VHT80 MCS9 <-62dBm
User interface	2×GE, Auto-negotiation, RJ45 ports

○ Function Data

O&M	<ul style="list-style-type: none"> • OAM/OMCI, Telnet, WEB, TR069 • Support full management of HGU functions by VSOL OLT
Connect Mode	Support bridge, router & bridge/router mixed mode
QoS	<ul style="list-style-type: none"> • Support 4 queues • Support SP, WRR, 802.1P and DSCP
Data Service Functions	<ul style="list-style-type: none"> • Full speed non-blocking switching • 2K MAC address table • 64 full range VLAN ID • Support VLAN tag, untag, transparent, trunk, translation mode • Integrated port monitoring, port mirroring, port rate limiting, port SLA, etc • Support auto polarity detection of Ethernet ports (AUTO MDIX) • Support IGMP v1/v2/v3 snooping/proxy and MLD v1/v2 snooping/proxy
Wireless	<ul style="list-style-type: none"> • Integrated 802.11b/g/n/ac • Authentication: WEP/WAP-PSK(TKIP)/WAP2-PSK(AES) • Modulation type: DSSS, CCK and OFDM • Encoding scheme: BPSK, QPSK, 16QAM and 64QAM • EasyMesh
VoIP	<ul style="list-style-type: none"> • SIP and IMS SIP • G.711a/G.711u/G.722/G.729 Codec • Echo cancellation, VAD/CNG, DTMF Relay • T.30/T.38 FAX • Caller Identification/Call Waiting/Call Forwarding/Call Transfer/Call Hold/3-way Conference • Line testing according to GR-909
L3	<ul style="list-style-type: none"> • IPv4, IPv6 and IPv4/IPv6 dual stack • DHCP/PPPOE/Static • Static route, DHCP Server • NAT/DMZ/DDNS/Virtual Server
Security	<ul style="list-style-type: none"> • Support Firewall • Support Mac filter Based on MAC or URL • Support ACL

Ordering Information:

Product Name	Product Description	Accessories
ONT-2GE-DW	2GE+WiFi5	AC-DC Power Adaptor: DC12V/1.0A

HANGZHOU SOFTEL OPTIC CO., LTD

ADD:708-709 HAIWEI BUILDING, No.101 BINKANG ROAD ,BINJIANG DISTRICT, HANGZHOU,ZHEJIANG,CHINA
TEL:+86 571 88989381 FAX:+86 571 88983280
Web : www.softel-optic.com