

SOFTTEL



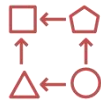
ONT-1GE-W

1*XPON+1GE+WiFi ONT

Key Features:



Realtek Chipset
High Performance Solution
Excellent Heat-dissipation



XPON Dual Mode
Automatically Access to
EPON/GPON



WiFi IEEE802.11b/g/n
2x2 5dBi Antenna
Wide Coverage



Powerful Firewall

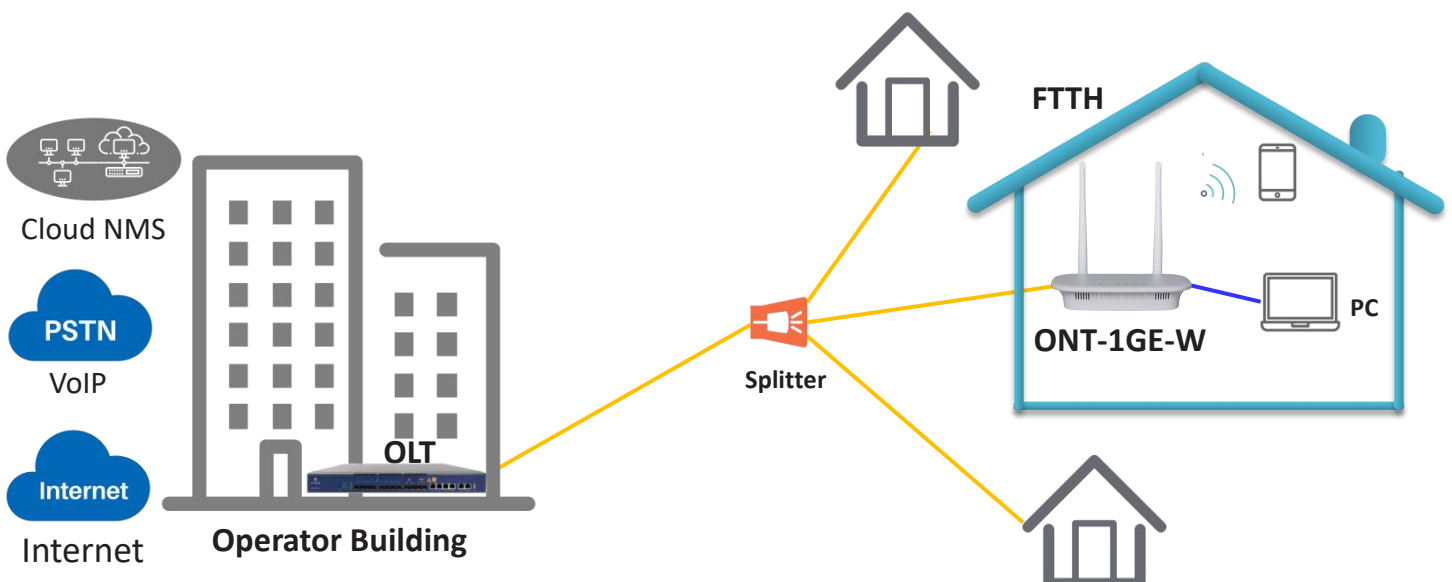
Introduction:

ONT-1GE-W (1GE+WiFi 4 XPON ONT) is a broadband access device specially designed to meet the needs of telecom operators for FTTO (Office), FTTD (Desktop), FTTH (Home), SOHO access, and video surveillance access.

The ONT is based on high-performance chip solutions, supports XPON dual-mode technology (EPON and GPON), and also supports IEEE802.11b/g/n WiFi 4 technology and other Layer 2/Layer 3 functions, providing data service for carrier-grade FTTH applications. In addition, the ONT also supports the OAM/OMCI protocol, and we can configure or manage various services of the ONT on the SOFTTEL OLT.

The ONT has high reliability, is easy to manage and maintain, and has QoS guarantees for various services. It conforms to a series of international technical standards such as IEEE802.3ah and ITU-T G.984.

Application Chart:



○ Hardware Parameter

Dimension	170mm*112mm*31mm(L*W*H)
Net weight	0.170KG
Operating condition	<ul style="list-style-type: none"> • Operating temp: 0 ~ +50°C • Operating humidity: 10 ~ 90% (non-condensing)
Storing condition	<ul style="list-style-type: none"> • Storing temp: -30 ~ +60°C • Storing humidity: 10 ~ 90% (non-condensing)
Power adapter	DC 12V/1A, external AC-DC power adaptor
Power supply	≤6W
Interfaces	1GE+WiFi 4
Indicators	PWR, PON/LOS, WAN, LAN, WiFi

○ 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"> • IEEE802.11b/g/n (TX power: 17dBm/16dBm/15dBm), Up to 300Mbps • 2T2R, 5dBi external antenna • Support 13 Channels
User interface	<ul style="list-style-type: none"> • 1*GE,Auto-negotiation, RJ45 connectors

○ Function Data

PON mode	Dual Mode , Can access EPON/GPON OLTs(HUAWEI,ZTE,FiberHome, etc).
Uplink mode	Bridging and Routing Mode.
Layer2	802.1D&802.1ad bridge,802.1p Cos, 802.1Q VLAN.
Layer3	IPv4/IPv6 , DHCP Client/Server , PPPoE, NAT , DMZ ,DDNS.
Multicast	IGMPv1/v2/v3 , IGMP snooping.
Security	Flow & Storm control, Loop Detection.
WiFi	<ul style="list-style-type: none"> • Authentication:WEP/WAP-PSK(TKIP)/ WAP2-PSK(AES). • Support: Multiple SSID
Firewall	Filtering Based on ACL/MAC/URL.
O&M	<ul style="list-style-type: none"> • WEB/TELNET/OAM/OMCI/TR069, • Support private OAM/OMCI protocol and Unified network management of SOFTEL OLT.

Product Name	Product Description	Accessories
ONT-1GE-W	1GE+WiFi 4	AC-DC Power Adaptor: DC12V/1A