

# SOFTEL



## ONT-4GE-VUW618

1XPON+4GE+1POTS+1USB3.0+WiFi6 HGU ONT



### Key Features:



RTL9607C+  
RTL8832AR+RTL8192XAR  
WiFi6 Gig+ performance



Next-Gen Gigabit WiFi6  
2.4GHz & 5GHz Dual Band  
Speed up to 1.8 Gbps



IPv4/IPv6 Dual Stack



USB3.0 Interface  
For Shared  
Storage/Printer

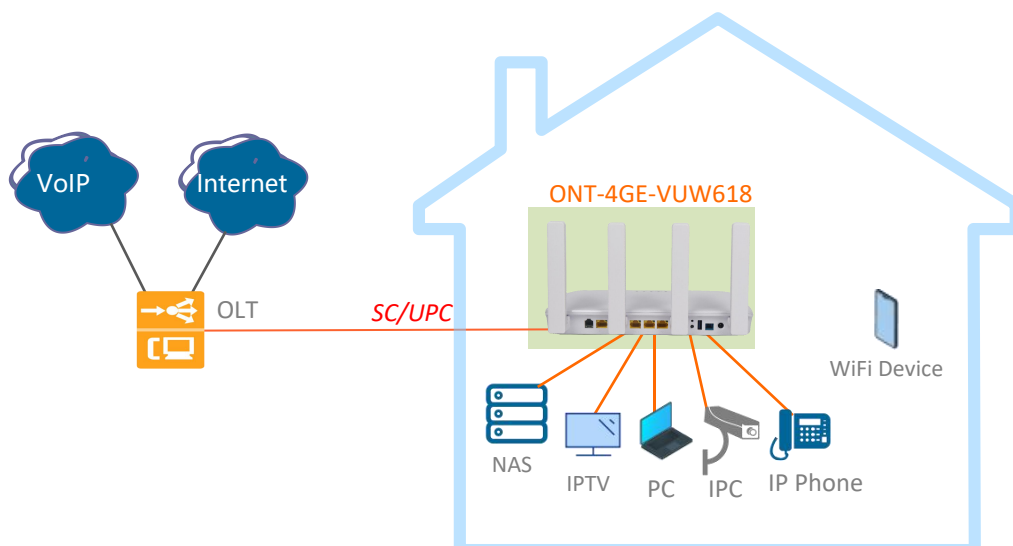
### Introduction:

ONT-4GE-VUW618 (4GE+1POTS+WiFi6 XPON HGU ONT) is a broadband access device specially designed to meet the needs of fixed network operators for FTTH and triple play services.

The ONT is based on high-performance chip solutions, supports XPON dual-mode technology (EPON and GPON), and also supports IEEE802.11b/g/n/ac/ax WiFi 6 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 SOFTEL 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	250mm×145mm×36mm(L×W×H)
Net weight	0.34Kg
Operating condition	Operating temp:0 ~ +55°C Operating humidity:5 ~ 90% (non-condensed)
Storing condition	Storing temp: -30 ~ +60°C Storing humidity: 5 ~ 90% (non-condensed)
Power adapter	DC 12V, 1.5A, external AC-DC power adaptor
Power supply	≤18W
Interface	1XPON+4GE+1POTS+USB3.0+WiFi6
Indicators	PWR,PON ,LOS,WAN,WiFi,FXS, ETH1~4,WPS,USB

## ○ Interface parameter

PON Interface	<ul style="list-style-type: none"> <li>• 1XPON port(EPON PX20+ and GPON Class B+)</li> <li>• SC single mode, SC/UPC connector</li> <li>• TX optical power: 0~+4dBm</li> <li>• RX sensitivity: -27dBm</li> <li>• Overload optical power: -3dBm(EPON) or -8dBm(GPON)</li> <li>• Transmission distance: 20KM</li> <li>• Wavelength: TX 1310nm, RX1490nm</li> </ul>
User interface	<ul style="list-style-type: none"> <li>• 4×GE, Auto-negotiation,RJ45 ports</li> <li>• 1×POTS RJ11 Connector</li> </ul>
Antenna	4 ×5dBi external antennas
USB	1×USB 3.0 for Shared Storage/Printer

## ○ Function Data

O&M	<ul style="list-style-type: none"> <li>• WEB/TELNET/OAM/OMCI/TR069</li> <li>• Support private OAM/OMCI protocol and Unified network management of SOFTEL OLT</li> </ul>
Internet connection	Support Routing Mode
Multicast	<ul style="list-style-type: none"> <li>• IGMP v1/v2/v3, IGMP snooping</li> <li>• MLD v1/v2 snooping</li> </ul>
VoIP	<ul style="list-style-type: none"> <li>• SIP and IMS SIP</li> <li>• G.711a/G.711u/G.722/G.729 Codec</li> <li>• Echo cancellation,VAD/CNG,DTMF Relay</li> <li>• T.30/T.38 FAX</li> <li>• Caller Identification/Call Waiting/Call Forwarding/Call Transfer/Call Hold/3-way Conference</li> <li>• Line testing according to GR-909</li> </ul>
WIFI	<ul style="list-style-type: none"> <li>• Wi-Fi 6: 802.11a/n/ac/ax 5GHz &amp; 802.11g/b/n/ax 2.4GHz</li> <li>• WiFi Encryption:WEP-64/WEP-128/WPA/WPA2/WPA3</li> <li>• Support OFDMA, MU-MIMO, Dynamic QoS, 1024-QAM</li> <li>• Smart Connect for one Wi-Fi name - One SSID for 2.4GHz and 5GHz dual band</li> </ul>
L2	802.1D&802.1ad bridge, 802.1p Cos,802.1Q VLAN
L3	IPv4/IPv6, DHCP Client/Server,PPPoE, NAT, DMZ, DDNS
Firewall	Anti-DDOS, Filtering Based on ACL/MAC /URL

Product Name	Product Description	Accessories
ONT-4GE-VUW618	1XPON+4GE+1POTS+WiFi6	AC-DC power adaptor: DC12V / 1.5A