

# SOFTTEL



## ONTX-253GVU-W6

XGS-PON + 1\*2.5GE + 3\*GE + 1\*POTS + 1\*USB3.0 + WiFi 6 HGU ONT  
 ( PON is 10G EPON or XG-PON or XGS-PON)



### Key Features:



10G PON Solution  
 Realtek Chipset



Next-Gen Gigabit WiFi6  
 2.4GHz & 5GHz Dual Band  
 Speed up to 3Gbps



IPv4/IPv6 Dual Stack



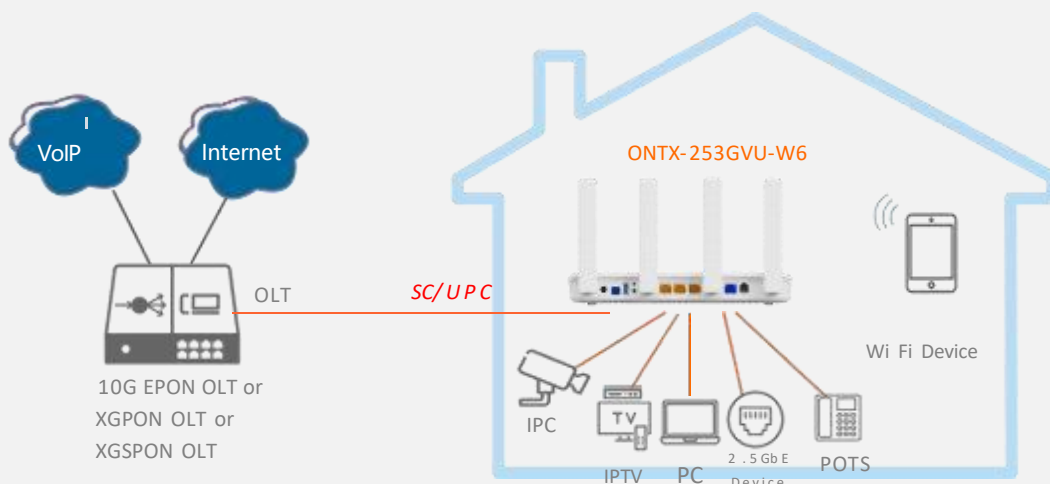
USB 3.0 Interface  
 For Shared  
 Storage/Printer

### Introduction:

Leveraging the latest WiFi 6 (AX3000) technology and equipped with IEEE 802.3av(10G- EPON)/ITU-T G.987(XG-PON)/ ITU- T G.9807.1 (XGS-PON) PON interface and IEEE802.11ax(WiFi 6 ) interface, SOFTEL XGS- PON HGU ONTX-253GVU-W6 supports the full Triple-play of services enabling Data, Voice and Video services through Ethernet, Wi-Fi, FXS, and USB standard interfaces, helping Internet Service Providers to deliver internet service more than 2.5 Gbps which is limited by GPON.

ONTX-253GVU-W6 built-in Ethernet LAN ports, one 2.5 GE BASE-T port, and 3 x 1\*GE BASE-T ports support ultrafast device connection and include powerful and enhanced WLAN interface based on MU-MIMO OFDMA 2.4 GHz 2 x2 MIMO and 5 GHz 2 x2 MIMO Wi-Fi antennas supporting 802.11 a/b/g/n/ac/ax standards over 2.4 GHz and 5 GHz wireless frequency bands for Internet application such as video, email, web surfing, files upload/download and online gaming, and it provides VoIP service through POTS port.

### Application Chart:



## ○ Hardware Parameter

Dimension	244mm * 131mm * 36mm ( L*W*H)
Net weight	425g
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	12V/2A
Power supply	24W
Interface	1*2.5GE+ 3*GE+ 1 *POTS+ 1 *USB3 . 0 +WiFi 6
Indicators	PON/LOS, WAN, USB, PHONE, WI-FI

## ○ Interface Parameter

PON Interface	<ul style="list-style-type: none"> <li>• 10 GPON port: Class B+</li> <li>• SC single mode, SC/ UPC connector</li> <li>• TX optical power: 8dBm</li> <li>• RX sensitivity: - 29.5dBm</li> <li>• Overload optical Power: - 7 dBm</li> <li>• Transmission Distance: 20km</li> <li>• Wavelength: <ul style="list-style-type: none"> <li>• 10GEPON: DS 1577nm/US 1310nm</li> <li>• XG(S)-PON: DS 1577nm/US 1270nm</li> </ul> </li> </ul>
10G PON layer	<ul style="list-style-type: none"> <li>• IEEE 802. 3av( 1 0 G- EPON)</li> <li>• ITU-T G. 987( XG-PON)</li> <li>• ITU-T G 98071 ( XGS-PON)</li> <li>• 1*2.5 GE, Auto-negotiation, RJ45 ports</li> </ul>
User interface	<ul style="list-style-type: none"> <li>• 3*GE, Auto-negotiation, RJ45 ports</li> <li>• 1*POTS, RJ11 Connector</li> <li>• 1*USB3 0</li> </ul>
Antenna	4x5 dBi External Antennas
USB	1xUSB 3.0 for Shared Storage/Printer

## ○ Function Data

O& M	<ul style="list-style-type: none"> <li>• WEB/TELNET/OAM/OMCI/TR0 6 9</li> <li>• Support private OAM/ OMCI protocol and Unified network management of SOFTEL OLT</li> </ul>
Internet	Support Bridge/Router 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-Fi6: 802.11a/n/ac/ax 5GHz &amp; 802.11g/b/n/ax 2.4GHz</li> <li>• Wi-Fi 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 2.4 GHz and 5GHz dual band</li> <li>• Support WIFI Easy-mesh function</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
ONTX-253GVU-W6	1 *2.5GE+ 3*GE+ 1*POTS+ USB 3.0 +WiFi 6	AC-DC power adaptor: DC 12V/2A