SOFTEL

ONT-4GE-V-DW

4GE+1POTS+1USB3.0+WiFi5 HGU ONT

CE

Key Features:

ZTE XPON Chipset + MTK Wi-Fi Chipset High Performance Solution

WiFi 5 Dual Band 1200Mbps

IPv4/IPv6 Dual Stack

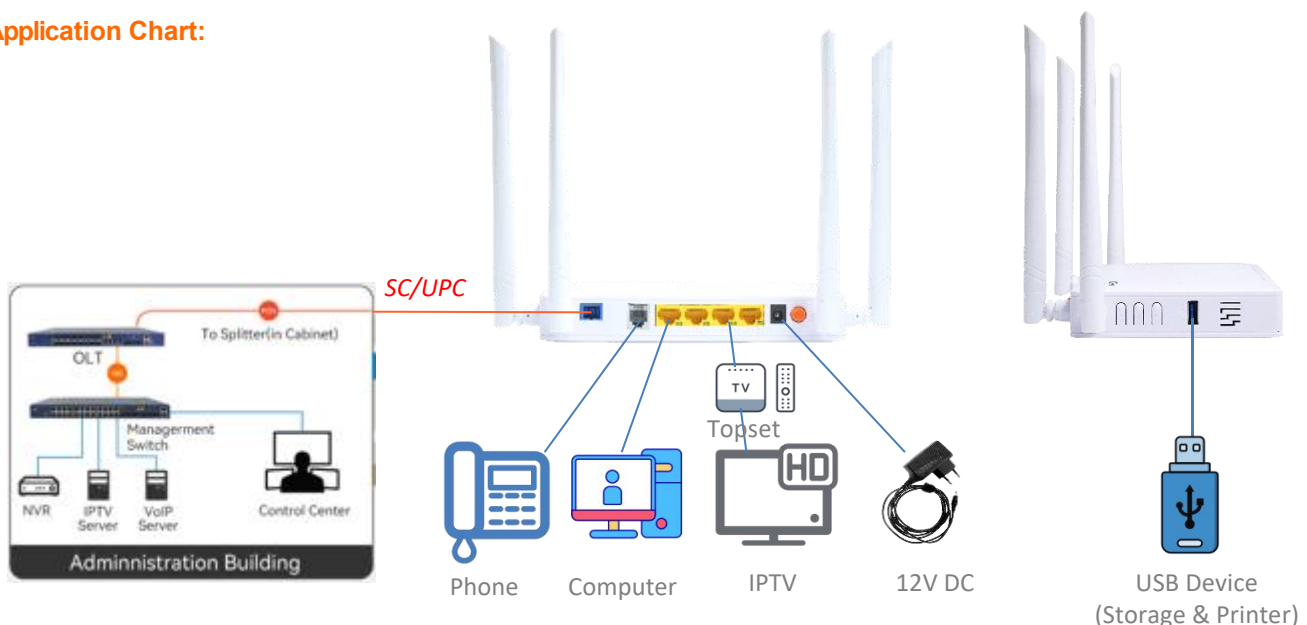**USB3.0 Interface For Shared Storage/Printer**

Introduction:

ONT-4GE-V-DW(4GE+1POTS/2POTS +WiFi5+USB3.0 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(ZTE CPU+MTK WiFi chipset), supports XPON dual-mode technology (EPON and GPON), and also supports IEEE802.11b/g/n/ac WiFi 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:

SC/UPC

To Splitter(in Cabinet)

OLT

Managerment Switch

NVR   IPTV Server   VoIP Server   Control Center

Adminnistration Building

Topset

Phone   Computer   IPTV   12V DC   USB Device (Storage & Printer)

Hardware Parameter

Dimension	205mm×140mm×37mm(L×W×H)
Net weight	0.32Kg
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	≤10W
Interface	ONT-4GE-V-DW: 4GE+1POTS+USB3.0+WiFi5
	ONT-4GE-2V-DW:4GE+2POTS+USB3.0+WiFi5
Indicators	PWR, PON, LOS, WAN, WiFi, FXS, ETH1~4, WPS, USB

Interface parameter

PON Interface	• 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
User interface	• 4×GE, Auto-negotiation,RJ45 ports • 1×POTS(2×RJ11 Option) RJ11 Connector
Antenna	4T4R, 5dBi external antennas
USB	1×USB 3.0 for Shared Storage/Printer

Function Data

Management	• WEB/TELNET/OAM/OMCI/TR069 • Support private OAM/OMCI protocol and Unified network management of SOFTEL OLT
Internet connection	Support Routing Mode
Multicast	IGMP v1/v2/v3, IGMP snooping
VoIP	• SIP and IMS SIP • Codec：G.711/G.723/G.726/G.729 codec • Echo cancellation,VAD/CNG,DTMF • T.30/T.38 FAX • Caller Identification/Call Waiting/Call Forwarding/Call Transfer/Call Hold/3-way Conference • Line testing according to GR-909
WIFI	• Support Frequency:2.4 GHz,5GHz 　• IEEE 802.11a/n/ac Wi-Fi@ 5GHz(2x2) 　• IEEE 802.11b/g/n Wi-Fi@2.4GHz(2x2) • Multiple SSIDs for each band • WEP/WPA-PSK(TKIP)/WPA2-PSK(AES) Security
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

Order Information:

Product Name	Product Description	Accessories
ONT-4GE-V-DW	4GE+1POTS+WiFi5	AC-DC power adaptor: DC12V/1 or 1.5A