



V2802GWT

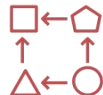
1*XPON+1GE(WAN/LAN1)+1FE(LAN)+Wi-Fi 4+CATV ONT



Key Features:



Realtek Chipset
High Performance Solution



XPON Dual Mode
Automatically Access to
EPON/GPON



WiFi IEEE802.11b/g/n
2T2R 5dBi Antenna



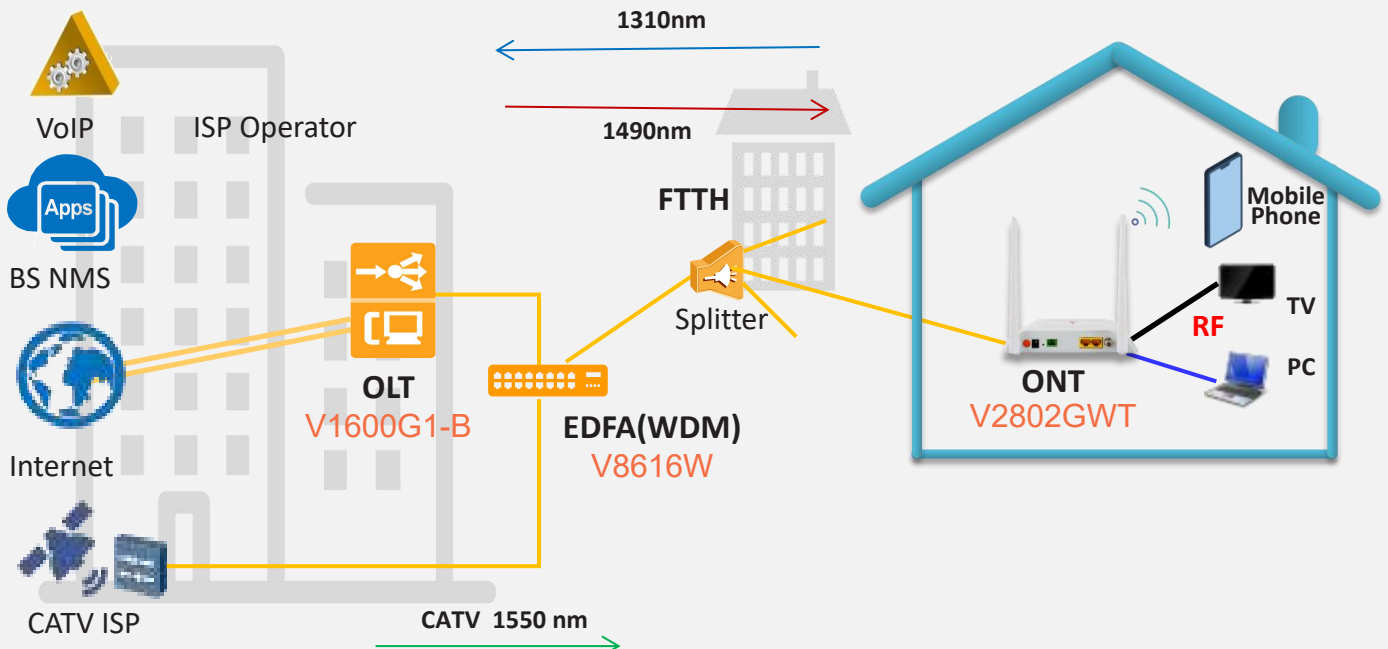
Remote Control
CATV(with AGC) on/off

Introduction:

V2802GWT(1GE(WAN/LAN1)+1FE(LAN)+Wi-Fi 4+CATV XPON ONT) is specially designed for different FTTH solutions. The ONT is based on a high-performance chipset (Realtek) technology solution, supporting IEEE802.11b/g/n WIFI technology and other Layer 2/Layer 3 functions, and can provide data services for carrier-grade FTTH applications.

The ONT 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	185mm×120mm×34mm(L×W×H)
Net weight	0.29Kg
Operating condition	<ul style="list-style-type: none"> • Operating temp: -10 ~ +55°C • Operating humidity: 5 ~ 95% (non-condensing)
Storing condition	<ul style="list-style-type: none"> • Storing temp: -40 ~ +70°C • Storing humidity: 5 ~ 95% (non-condensing)
Power adapter	DC 12V/1A, external AC-DC power adaptor
Power supply	≤7W
Interfaces	1GE(WAN/LAN1)+1FE(LAN)+Wi-Fi 4+CATV
Indicators	PWR, LOS, REG, GE, FE, WiFi, CATV

○ Interface Parameter

PON interface	<ul style="list-style-type: none"> • 1XPON port(EPON PX20+ and GPON Class B+) • SC single mode, SC/APC connector • TX optical power: 0~+4dBm • RX sensitivity: -27dBm • Overload optical power: -3dBm(EPON) or -8dBm(GPON) • Transmission distance: 20KM • Wavelength: TX 1310nm, RX1490nm, CATV 1550nm
WiFi interface	<ul style="list-style-type: none"> • Compliant with IEEE802.11b/g/n, • Operating frequency: 2.400-2.4835GHz • support MIMO, rate up to 300Mbps, • 2T2R,external antennas • Support: multiple SSID • Channel:13 • Modulation type: DSSS、CCK and OFDM • Encoding scheme: BPSK、QPSK、16QAM and 64QAM
CATV interface	<ul style="list-style-type: none"> • Optical receiving wavelength: 1550±10nm • Optical input range: +2~-18dBm • Optical reflection loss: ≥40dB • RF frequency range: 47~1000MHz • RF output impedance: 75Ω • RF output level and AGC range: <ul style="list-style-type: none"> ≥81±2dBuv@+1~-10dBm ≥79±2dBuv@ 0~-11dBm ≥77±2dBuv@-1~-12dBm ≥75±2dBuv@-2~-13dBm ≥73±2dBuv@-3~-14dBm ≥71±2dBuv@-4~-15dBm • MER: ≥32dB(-14dBm optical input)
User interface	<ul style="list-style-type: none"> • 1GE+1*FE Auto-negotiation RJ45 ports • LAN1 supports WAN mode

○ Function Data

PON mode	XPON Dual Mode , Can access mainstream EPON/GPON OLTs
Uplink Mode	Bridging and Routing Mode
Alarm	Support Dying Gasp, Port Loop Detect and Eth Port Los
VLAN	<ul style="list-style-type: none"> • 4K VLAN • VLAN tag, untag, transparent, trunk, translation mode
Multicast	<ul style="list-style-type: none"> • Max Multicast Group 64 • IGMPv1/v2/v3/Proxy/Snooping, MLD v1/v2
QoS	<ul style="list-style-type: none"> • Support 4 queues • Support SP, WRR, 802.1P and DSCP
L3	<ul style="list-style-type: none"> • DHCP/PPPOE/Static IP, NAT • DHCPv6 Server, IPv4/IPv6 Static route • IPv4/IPv6 dual stack
WiFi	<ul style="list-style-type: none"> • Authentication : WEP/WAP-PSK(TKIP)/WAP2-PSK(AES) • Multiple SSID and SSID conceal • Wireless channel selection
CATV	Support CATV Rmote management
Security	<ul style="list-style-type: none"> • Flow & Storm control, Loop Detection • Filtering Based on ACL/MAC/URL
Management	<ul style="list-style-type: none"> • CTC OAM 2.1 and 3.0 • ITUT984.x OMCI • EMS\WEB\Telnet\CLI and unified network management of VSOL OLT

Product Name	Product Description	Accessories
V2802GWT	1GE(WAN/LAN1)+1FE(LAN)+Wi-Fi 4+CATV	AC-DC power adaptor: DC12V/1A