



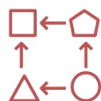
V2804RGWT

1*XPON+1GE+3FE+WiFi 4+CATV ONU

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



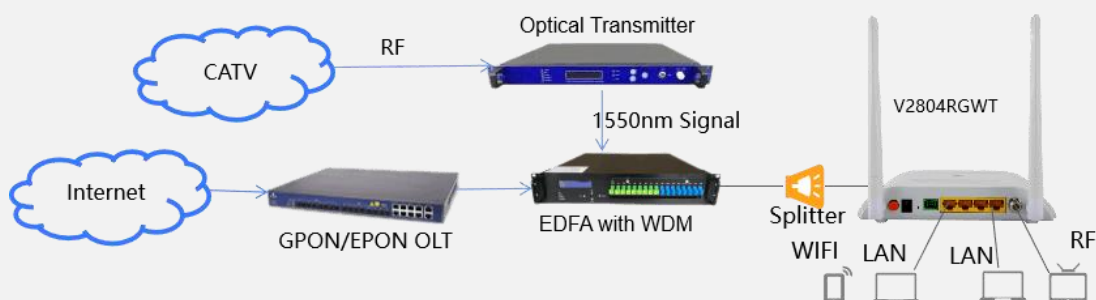
Introduction:

1GE+3FE+WiFi 4+CATV XPON ONT V2804RGWT is based on the mature Chipset (ZTE+MTK) technology, which has high performance.

V2804RGWT supports EPON/GPON dual modes access which automatically switches into the corresponding PON mode by identifying the local OLT mode to complete XPON adaptive access. It has a high reliability and provide quality of service guarantee, easy management, flexible expansion and networking. It fully meets the ITU-T and IEEE technical standards and have good compatibility with third party OLT.

V2804RGWT meets 802.11 a/b/g/n WIFI technical standards which supports 2.4GHz band wireless signal. It has the characteristics of strong penetrating power and wide coverage. It can provide users with more efficient data transmission security.

Application Chart:



○ Hardware Parameter

Dimension	205mm×140mm×37m(L×W×H)
Net weight	0.29Kg
Operating condition	• Operating temp: 0 ~ +50°C • Operating humidity: 10 ~ 90% (non-condensed)
Storing condition	• Storing temp: -30 ~ +60°C • Storing humidity: 10 ~ 90% (non-condensed)
Power adapter	DC 12V, 1A, external AC-DC power adaptor
Power supply	≤7W
Interfaces	1GE+3FE+WiFi 4+CATV
Indicators	PWR, LOS, REG, LAN1~LAN4, WIFI, WAN, Pair, CATV

○ 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, CATV 1550nm
WIFI interface	• Compliant with IEEE802.11b/g/n • Rate up to 300Mbps, 2T2R, 5dBi external antenna • Support: multiple SSID • Support 13 Channels
LAN interface	1*GE+ 3*FE Auto-negotiation RJ45 ports
CATV interface	• RF, optical power: +2 to -18dBm • Optical reflection loss: ≥45dBm • Optical receiving wavelength: 1550±10nm • RF frequency range: 47~1000MHz, RF output impedance: 75Ω • RF output level and AGC range: 83dbuv@0~-10dBm / 81dbuv@-1~-11dBm / 79dbuv@-2~-12dBm / 77dbuv@-3~-13dBm / 75dbuv@-4~-14dBm / 73dbuv@-5~-15dBm • MER: ≥32dB(-14dBm optical input), >35(-10dBm)

○ Function Data

XPON mode	Dual Mode , Can access EPON/GPON mainstream OLTs
Uplink mode	Bridging and Routing Mode.
Firewall	Filtering Based on ACL/MAC/URL.
Layer2	802.1D&802.1ad bridge,802.1p Cos,802.1Q VLAN.
Layer3	IPv4/IPv6 , DHCP Client/Server , PPPoE ,NAT , DMZ ,DDNS.
Multicast	IGMP v1/v2/v3 , IGMP snooping.
Security	Flow & Storm control, Loop Detection.
O&M	• WEB/TELNET/OAM/OMCI • Support private OAM/OMCI protocol • Unified network management of VSOL OLT.
CATV	• Support CATV Remote Control
WiFi	• IEEE802.11b/g/n (TX power:17dBm/16dBm /15dBm), Up to 300Mbps • Authentication:WEP/WAP-PSK(TKIP)/WAP2-PSK(AES).

Product Name	Product Description	Accessories
V2804RGWT	1GE+3FE+WiFi 4+CATV	AC-DC power adaptor: DC12V/1A