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V2802DAC

1*XPON+2GE+WiFi5 ONT

Key Features:

- Detect and exchange PON mode automatically.
- Support EasyMesh protocol
- WiFi5 Dual Band 1200Mbps
- IPv4/IPv6 Stack
- Support SIP protocol

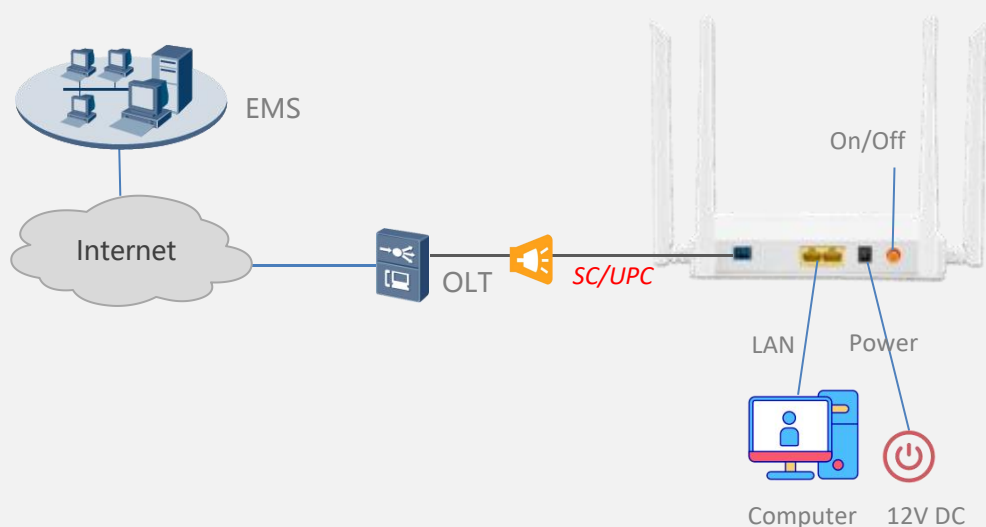


Introduction:

V2802DAC (2GE+WiFi5 XPON ONT) is designed to meet the FTTH and triple play service requirements of fixed network operators. The ONT is based on a high-performance chipset (Realtek) technology solution, supporting IEEE802.11b/g/n/ac WIFI technology and other Layer 2/Layer 3 functions. The ONT supports the OAM/OMCI protocol, and we can configure or manage various services of the ONT on the VSOL OLT.

The ONU 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	178mm×120mm×30m(L×W×H)
Net weight	0.31Kg
Operating condition	Operating temp: 0 ~ +55°C Operating humidity: 10 ~ 90% (non-condensed)
Storing condition	Storing temp: -30 ~ +60°C Storing humidity: 10 ~ 90% (non-condensed)
Power adapter	DC 12V,1.0A, external AC-DC power adaptor
Power supply	≤12W
Interface	2GE+WiFi5
Indicators	PWR, PON, LOS, WAN, LAN1, LAN2, 2.4G, 5G

○ 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	2×GE, Auto-negotiation,RJ45 ports
WLAN interface	Compliant with IEEE802.11b/g/n/ac 2.4GHz Operating frequency: 2.4000-2.4835GHz 5.0GHz Operating frequency: 5.150-5.825GHz Support MIMO, rate up to 1.167Gbps WiFi: 2.4GHz(2T2R), 5.8GHz(2T2R), 5dBi antenna, support: multiple SSID TX power: 11n--22dBm/11ac--24dBm

○ Function Data

Management	• OAM/OMCI, Telnet, WEB, TR069 • Support full management of ONT functions by VSOL OLT
Internet connection	Support Bridge,Route and Bridge/Route mixed mode
Multicast	• Support IGMP v1/v2/v3 • Support IGMP Proxy and MLD Proxy • Support IGMP Snooping and MLD Snooping
VLAN	• Support VLAN tag mode • Support VLAN trunk mode • Support VLAN translation

○ Function Data

Data Service Functions	• Full speed non-blocking switching • 2K MAC address table • 64 full range VLAN ID • Integrated port monitoring, port mirroring, port rate limiting, port SLA, etc • Support auto polarity detection of Ethernet ports (AUTO MDIX) • Integrated IEEE802.1p QoS with four level priority queues • Support IGMP v1/v2/v3 snooping/proxy and MLD v1/v2 snooping/proxy
Wireless	• Support Wireless AP mode • Support 802.11 b/g/n/ac • Support Multiple SSID • Authentication : WEP/WAP-PSK(TKIP)/WAP2-PSK(AES) • Modulation type: DSSS, CCK and OFDM • Encoding scheme: BPSK, QPSK, 16QAM and 64QAM, 256QAM • Support EasyMesh protocol
QoS	• Support 4 queues • Support SP and WRR • Support 802.1P and DSCP
L3	• Support IPv4, IPv6 and IPv4/IPv6 dual stack • Support DHCP/PPPOE/Static • Support Static route • Support DHCP Server • Support NAT/DMZ/DDNS • Support Virtual Server
Security	• Support Firewall • Support Mac filter Based on MAC or URL • Support ACL

Product Name	Product Description	Accessories
V2802DAC	2GE+WiFi5	AC-DC power adaptor: DC12V/1.0A