

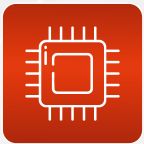


OP821GWV

1GE+1FE+1POT+WiFi XPON ONT



Key Features:



Realtek Chipset
High Performance
Solution

XPON

XPON Dual Mode
Automatically Access to
EPON/GPON



WiFi IEEE802. 11b/g/n
2X2 5dBi Antenna
Wide Coverage



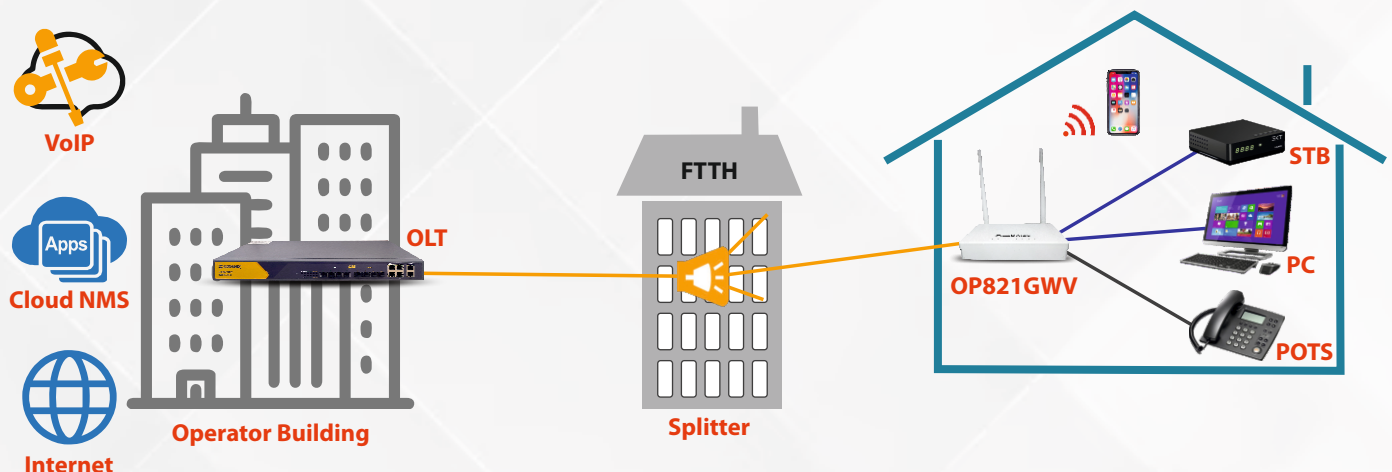
VoIP Protocol
SIP

Introduction:

OP821GWV (XPON 1GE+1FE+WiFi XPON ONT) is a broadband access device specially designed to meet the needs of telecom operators for FTTO (Office), FTTD (Desktop), FTTH (Home), SOHO access, and video surveillance access. The ONT is based on high-performance chip solutions, supports XPON dual-mode technology (EPON and GPON), and also supports IEEE802. 11b/g/n WiFi 4 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 Optronix 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:



Hardware Parameter:

Dimension	• 185mm x 120mm x 34mm(L X W X H)
Net Weight	• 0.24kg
Operating Conditions	• Operating Temp: -10 ~ +55°C • Operating Humidity: 5 ~ 95% (non-Condensing)
Storing Condition	• Operating Temp: -40 ~ +70°C • Operating Humidity: 5 ~ 95% (non-Condensing)
Power Adaptor	• DC 12V, 1A External AC-DC Power Adaptor
Power Supply	• ≤6W
Interface	• 1GE+1FE+1POT+WiFi
Indicators	• PWR, PON, LOS, LAN1~LAN2, Phone, Pair, WiFi

Interface Parameter:

PON Interface	• 1XPON Port (EPON Px20+ & 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
WiFi Interface	• Compliant with IEEE802. 11b/g/n/ac • Operating Frequency: 2.400-2.4835GHz • Support MIMO, Rate up to 300Mbps • 2T2R,2 External Antenna 5dBi • Support: Multiple SSID • Channel: 13 • Modulation Type: DSSS, CCK and OFDM • Encoding Scheme: BPSK, QPSK, 16QAM and 64QAM
User Interface	• 1*GE+1FE, Auto-negotiation, Rj45 Connectors • 1*POTS, RJ11 Connectors

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	• 4K VLAN • VLAN tag, Untag, Transparent, Trunk, Translation Mode
Multicast	• Max Multicast Group 64 • IGMPv1/v2/v3/Proxy/Snooping, MLD v1/v2
QoS	• Support 4 Queues • Support SP, WRR, 802, IP and DSCP
L3	• DHCP/PPPoE/Static IP, NAT • DHCPv6 Server, IPv4/IPv6 Static Route • IPv4/IPv6 Dual Stack
WiFi	• Authentication: WEP/WAP-PSK(TKIP)/WAP2-PSK(AES) • Multiple SSID and SSID Conceal • Wireless Channel Selection
VoIP	• SIP and IMS SIP • G.71 1a/G.71 1u/G.722/G.729 Codec • Echo Cancellation, VAD/CNG, DTMF Relay • T.30/T.38 FAX • Caller Identification / Call Waiting / Call Forwarding / Call Transfer / Call Hold / 3-way Conference • Line Testing According to GR-909
Security	• Flow & Storm Control, Loop Detection • Filtering Based on ACL/MAC/URL
Management	• CTC OAM 2.1 and 3.0 • ITUT984.x OMCI • EMS/WEB/Telnet/CLI and Unified Network management of Optronix OLT

Ordering Information:

Product Name	Product Description	Accessories
OP821GWV	1GE+1FE+1POT+WiFi	AC-DC Power Adaptor: DC 12v / 1A

Contact Us For More Info:

+91-9811308000



SCAN THE QR CODE

info@optronix.in
www.optronix.in