



OP821GWV-D With FEM

2GE+1POT+WiFi5 XPON ONT

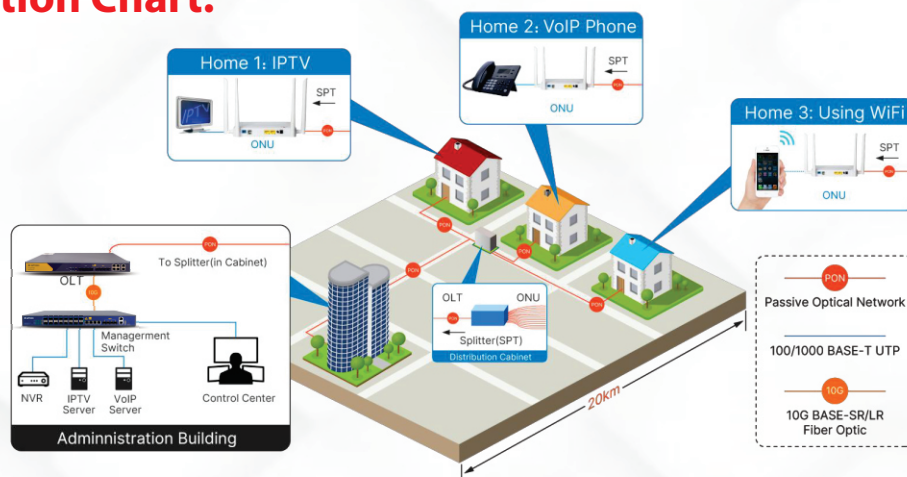
Key Features:

- Detect and Exchange PON Mode Automatically.
- Support Easy Mesh Protocol.
- WiFi Dual Band 1200Mbps.
- IPv4/IPv6 Stack.
- Support SIP Protocol.
- WiFi-FEM Module.

Introduction:

OP821GWV-D (2GE+1POTS+WiFi5 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, 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. This ONU has a FEM module, which can improve the transmission power and reception sensitivity of WIFI, making the coverage of WIFI larger. 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	• 178mm x 120mm x 30mm(L X W X H)
Net Weight	• 0.3kg
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, 1.5A External AC-DC Power Adaptor
Power Supply	• ≤10W
Interface	• 2GE+1POTS+WiFi5
Indicators	• PWR, PON, LOS, WAN, LAN1, LAN2, 2.4G, 5G, Phone

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 • 2.4GHz: 2.4000-2.4835GHz: 5.0GHz: 5.150~5.825GHz • WiFi: 2.4GHz 2x2, 5.8GHz 2x2, 5dBi Antenna, • Rateup to 1.167Gbps, Multiple SSID • TX Power: 2.4GHz: 23dBm; 5GHz: 27dBm • RX Power: 2.4GHz: HT40-MCS7 -72dBm, 5GHz: VHT80 MCS9 <-63dBm
LAN Interface	• 2"GE, Auto-Negotiation Rj45 Connectors
Pots Interface	• 1"FXS, Rj11 Connectors

Function Data:

O & M	• OAM/OMCI, Telnet, Web, Tr069 • Support Full Management of HGU Functions by Optronix OLT
Connect Mode	• Support Bridge, Router & Bridge/Router Mixed Mode
QoS	• Support 4 Queues • Support SP, WRR, 802.IP and DSCP
Data Service Functions	• Full Speed non-blocking Switching • 2K MAC Address Table • 8 Full Range VLAN ID • Support VLAN Tag, Untag, Transparent, Trunk, Translation Mode • Integrated Port Monitoring, Port Mirroring, Port Rate Limiting, Port SLA, etc • Support Auto Polarity Detection of Ethernet Ports (Auto MDIX) • Support IGMP v1/v2/v3 Snooping/Proxy and MLD v1/v2 Snooping/Proxy
Wireless	• Integrated 802.1 1b/g/n/ac • Authentication: WEP/WAP-PSK(TKIP)/WAP2-PSK (AES) • Modulation Type: DSSS, CCK and OFDM • Encoding Scheme: BPSK, QPSK, 16QAM and 64QAM • Easymesh
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
L3	• IPv4, IPv6 and IPv4/IPv6 Dual Stack • DHCP/PPPoE/Static • Static Route, DHCP Server • NAT/DMZ/DDNS/Virtual Server
Security	• Support Firewall • Support MAC Filter Based on MAC or URL • Support ACL

Ordering Information:

Product Name	Product Description	Accessories
OP821GWV-D	2GE+1POT+WiFi5	AC-DC Power Adaptor: DC 12v / 1.5A

Contact Us For More Info:

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SCAN THE QR CODE

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