**1GE+1FE+1POTS+Dual band WIFI GPON ONT**



**HT3421GWV-D FTTH GPON ONT Overview**  
By introducing latest fiber GPON access technology, The HT3421GWV-D GPON ONU brings carrier class high-end networking solution for advanced triple play services.  It compliant with ITU-T G.984 standard, dual-band wireless for combined connection speeds of up to 1200 Mbps(867 Mbps on 5GHz and 300 Mbps on 2.4 GHz) , Layer 2/3, and high quality VoIP, It adopts single fiber WDM technology with downlink wavelength 1490nm, uplink wavelength 1310nm, HT3421GWV-D FTTH GPON ONU WiFi support the comprehensive triple-play services, including voice, video (IPTV or VoD), and high-speed internet access service.

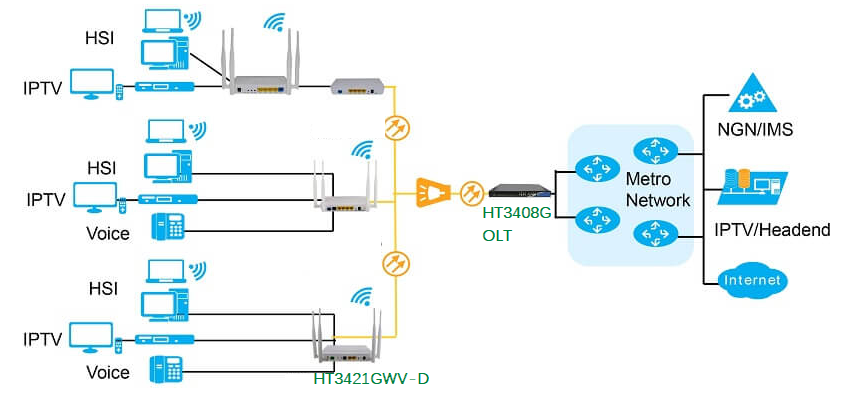
**Key Feature**

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| **Features** | **RL841GWV-D** |
| GPON Features | Compliant with ITU-T G.984 GPON standard |
| FEC (Forward Error Correction) in both upstream and downstream |
| QoS scheduling based on SP or WRR between GEM port and T-CONT |
| Downstream multicast GEM port and broadcast GEM port |
| Ethernet Feature | Support Auto-speed and MDI/MDIX auto detection |
| Internal L2 switch |
| Advanced data processing function,such as VLAN label processing, flow classification |
| Gateway Feature | WAN support Router and Bridge mode |
| Router mode supports PPPoE/DHCP/ static IP |
| WAN support Internet、VoIP、IPTV、TR069 |
| LAN supports DHCP and static IP |
| Support NAT and NAPT |
| VoIP Feature | Support SIP (RFC3261) or MEGACO v2 (H.248) |
| Support Voice coding: ITU-T G.711/G.723/G.726/G.729, auto-negotiate with call agent |
| Support Echo cancellation exceeding ITU-T G.165/G.168-2002, up to 128ms tail length |
| WIFI Feature | 867 Mbps on 5GHz and 300 Mbps on 2.4 GHz |
| IEEE 802.11 ac/n/g/b/a wireless LAN |
| 2.4 GHz band: 2400 – 2483.5 MHz,5 GHz band: 5150 – 5725 MHz |
| WEP、WPA-PSK、WPA2-PSK and other encryption |
| OAM Feature | Standard OMCI (the embedded operations channel)compliant with ITU-T G.988 |
| Compliant with TR-069 standard |
| Compliant with TR-098、TR-140 terminal integrated management interface |
| Alarm reporting, performance monitoring |

**Technical specifications**

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| **GPON Interface** | |
| Rate | Upsteam: 1.244Gbps Downsteam: 2.488Gbps |
| Interface standard | ITU-T G.984.2/ITU-T G.984.3/ITU-TG.988 Class B+ |
| Launch power | Min: 0dBm   Max: +5dBm |
| Sensitivity | -27dBm |
| Input Power Overload | -8dBm |
| **Service Interface** | |
| GPON Interface | 1 GPON Port |
| Data Interface | 1 GE + 1FE |
| POTS Interface | 1 FXS Port |
| WIFI Interface | IEEE 802.11 ac/n/g/b/a wireless LAN |
| Antenna Type | 4 external antennas |
| **Environmental conditions** | |
| Storage | temperature -10 to 70°C, rel. humidity 10–90% (non-condensing) |
| Operation | temperature 0 to 45°C, rel. humidity 10–90% (non-condensing) |
| **Power Supply and Consumption** | |
| Power Adaptor | Input: 100 to 240 V AC, 50/60 Hz; Output: 12 V, 1A |
| Consumption | ≤10W |
| **Physical specifications** | |
| Dimensions | 236mm×210mm×31mm（L×W×H） |
| Weight | 0.26KG |

**Typical application**



**Ordering information**

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| **Model** | **Product Description** |
| HT3421GWV-D | GPON ONU 1GE+1FE+1POTS+11n 2\*2 +11ac 2\*2, 4 x External Antennas 5DBI |