**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 |