

# H660RW

FTTH/GPON ONT



## Overview

To deliver triple-play services to the subscriber in Fiber-to-the-Home or Fiber-to-the-Premises application, the GPON ONT H660RW incorporates interoperability, key customers' specific requirements and cost-efficiency.

The H660RW provides one GPON uplink port plus four Gigabit Ethernet (10/100/1000Base-T) ports, one RF video interface, wireless interface and two FXS voice ports that enhance the ability to deliver demanding VoIP/Wi-Fi services. The H660RW supports the full Triple Play of services including voice, video, and high speed internet access.

The H660RW contains both built-in wire-speed L2 switch and L3 routing gateway with port forwarding, NAT and NAPT address translation, PPPoE client support for high speed Internet service.

## Features

- GPON Interface
- ITU-T G.984.x compliant GPON ONT
- Interface capacity: 1.2Gbps/2.5Gbps (US/DS)
- Wavelength: TX 1310nm, RX 1490nm
- Wireless LAN
- IEEE802.11b/g/n wireless interface, dual antenna
- Multiple SSIDs
- Security: WEP, WPA-PSK (TKIP) & WPA2-PSK (AES)
- VoIP Service
- SIP RFC3261/3262/3264
- DTMF dialing / Pulse dialing
- Multiple codecs: G.711, G.723.1, G729
- T.38 FAX mode, Echo cancellation
- RF Video Interface
- Analog RF video over 1550nm wavelength
- 18dBmV output level, 47MHz~1000MHz passband

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## Specification

|                         |  |
|-------------------------|--|
| Flash Memory            | 128MB NAND   |
| SDRAM                   | 128MB DDR2   |
| Uplink Port             | 1 GPON port (SC/APC, BOSA)                           |
| Service Port            | 4 10/100/1000BASE-T ports (RJ45)                     |
| FXS Interface           | 2 FXS ports (RJ11)                                   |
| Wi-Fi Interface         | IEEE802.11b/g/n wireless interface                   |
| Video Interface         | 1 RF Video port (F-connector)                        |
| Operating Temp.         | 23 to 122°F (-5 to 50°C)                             |
| Operating Humidity      | 20 to 90% (non-condensing)                           |
| Power Voltage (adapter) | Input: 100-240VAC, 50/60Hz<br>Output: 12VDC/2A       |
| Dimensions (W x H x D)  | 7.48 x 2.44 x 5.91 in (190 x 62 x 150 mm)            |
| Miscellaneous Interface | On/Off power switch,<br>Reset button (system reboot) |

## Capabilities

|                       |  |
|-----------------------|--|
| GPON                  | <ul style="list-style-type: none"> <li>ITU-T G.984 compliant</li> <li>Forward Error Correction (FEC)</li> <li>Multiple T-CONTs/GEM ports per device</li> <li>Flexible mapping between GEM port and T-CONT</li> <li>Dying gasp</li> </ul>   |
| Layer 2               | <ul style="list-style-type: none"> <li>Untagged port configuration</li> <li>IEEE802.1D and IEEE802.1Q bridging</li> <li>Standard Ethernet bridging</li> <li>MAC address learning with auto aging (Up to 4K MAC addresses)</li> </ul>   |
| VLAN                  | <ul style="list-style-type: none"> <li>VLAN port filtering</li> <li>Destination address port filtering</li> </ul>  |
| Multicast             | <ul style="list-style-type: none"> <li>IGMP snooping</li> </ul>  |
| QoS                   | <ul style="list-style-type: none"> <li>HW-based internal IEEE 802.1p (CoS)</li> <li>Strict Priority (SP)</li> <li>8 queues per port</li> </ul>   |
| Wi-Fi                 | <ul style="list-style-type: none"> <li>IEEE802.11b/g/n compliant</li> <li>Multiple SSIDs, Bandwidth: 2.4GHz</li> <li>64/128bit wireless encryption protocol (WEP)</li> <li>Max. data rate: 54Mbps in 802.11g</li> </ul>  |
| VoIP                  | <ul style="list-style-type: none"> <li>SIP (RFC3261/3262/3264)</li> <li>5-REN per FXS</li> <li>RTP, RTCP (RFC3550/3551)</li> <li>DTMF dialing / Pulse dialing</li> <li>Multiple codecs: G.711, G.723.1, G729</li> <li>T.38 FAX mode</li> <li>Echo cancellation</li> </ul>                                      |
| RGU (L3 Routing mode) | <ul style="list-style-type: none"> <li>PPPoE client : multi client per RG ONT</li> <li>DHCP server / client</li> <li>DNS Relay server (DNS relay, DNS transparent)</li> <li>NAT and NAPT: 16K session (US 8K, DS 8K)</li> <li>Port forwarding</li> <li>Stateful packet inspection firewall with ACL</li> </ul> |

## Sample Configuration

