



## 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
  - RF enable/disable by OMCI and NMS
  - AGC setting by OMCI and NMS
  - Remote monitoring for RF status
  - Work bandwidth: 54MHz~862MHz
  - Flatness:  $\leq \pm 0.75$  dB
  - Output level AGC : 12~22 dBmV(AGC +2 to -8 dBm)
  - Return loss:  $\geq 14$  dB(47~862MHz)
  - Output impedance: 75 $\Omega$
  - RF Connector: F-Female

## 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 Output: 12VDC/2.0A
Dimensions (W x H x D)	7.5 x 2.6 x 5.90 in-Antennas folded (190 x 66 x 150 mm)
Miscellaneous Interface	On/Off power switch, 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> </ul>

## Sample Configuration

