

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)
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/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, Reset button (system reboot)

Capabilities

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

Sample Configuration

