H640GW

GPON Gigabit ONT with VoIP & Wi-Fi Service

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with VoIP & Wi-Fi Service



To deliver triple-play services to the subscriber in Fiber-to-the-Home or Fiber-to-the-Premises application, the GPON ONT H640GW incorporates interoperability, key customers' specific requirements and cost-efficiency.

The H640GW provides one GPON uplink port plus four Gigabit Ethernet (10/100/1000Base-T) ports, wireless interface and two FXS voice ports that enhance the ability to deliver demanding VoIP/Wi-Fi services. Equipped with ITU-T G.984 compliant 2.5G Downstream and 1.25G Upstream GPON interface, the H640GW supports the full Triple Play of services including voice, video, and high speed internet access.

The H640GW 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.

GPON Interface

- ITU-T G.984.x compliant GPON ONT
- Data rate of 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

Residential Gateway Unit Feature

- L3 routing gateway with NAT/NAPT and firewall
- PPPoE client, DHCP/DNS server support
- Port forwarding

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Specifications

Flash Memory	128MB NAND
SDRAM	128MB DDR3
Capacity	GPON Interface: up 1.2Gbps/down 2.5Gbps
Uplink Interface	1 GPON port (SC/APC, SFF)
Service Interface	4 10/100/1000Base-T port (RJ45)
FXS Interface	2 FXS ports (RJ11)
Wi-Fi Interface	IEEE802.11b/g/n wireless interface
LED	PWR, PON, ALM, VoIP, TEL, WLAN, WPS, LAN

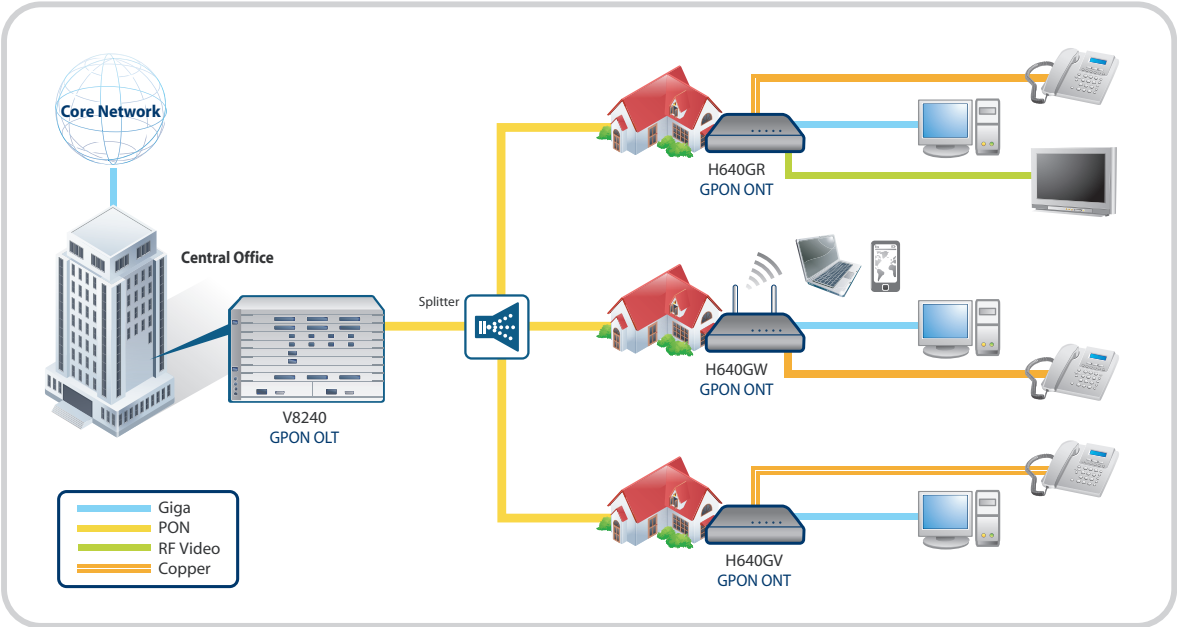
Operating Temp.	32 to 104°F (0 to 40°C)
Operating Humidity	5 to 90% (non-condensing)
Power Voltage (adapter)	Input: 100-240VAC, 50/60Hz Output: 12VDC/1.5A
Miscellaneous Interface	On/Off power switch, Reset button (system reboot)
Dimensions (W x H x D)	7.48 x 2.44 x 5.91 in (190 x 62 x 150 mm)

Capabilities

GPON	• 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	• Untagged port configuration • IEEE 802.1D and IEEE 802.1Q bridging • Standard Ethernet bridging • MAC address learning with auto aging (Up to 1K MAC addresses)
VLAN	• VLAN port filtering • Destination address port filtering • 16 Active VLANs
QoS	• HW-based internal IEEE 802.1p (CoS) • Strict Priority (SP) • 8 queues per port
Multicast	• IGMP snooping

Wi-Fi	• IEEE802.11b/g/n compliant • Multiple SSIDs , Bandwidth: 2.4GHz • 64/128bit wireless encryption protocol (WEP) • Two Transmit and Two Receive path (2T2R) • Max. data rate: 54Mbps in 802.11g
VoIP	• 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)	• PPPoE client : one client per RG ONT • DHCP server • DNS server (DNS relay, DNS transparent) • NAT and NAPT: 16K session (US 8K, DS 8K) • Port forwarding • Stateful packet inspection firewall with ACL

Sample Configuration



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