



Product Overview

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Product Overview

The H660GW optical network terminal is targeted for all subscribers requiring multiple POTS and high-speed data interfaces in a cost-effective indoor housing. Fully compliant with ITU-T G.984 standards, the H660GW supports data rates of 1.25Gbps upstream and 2.5Gbps downstream. With DASAN's leading-edge GPON technology, users can enjoy bandwidth-intensive multimedia services such as real-time audio and gaming much easier and faster than ever before.

The H660GW provides one GPON uplink port, four Ethernet 10/100/1000Base-T ports, Wireless LAN interface, one USB interface and two FXS voice ports that enhance the ability to deliver demanding VoIP/Wi-Fi services. The H660GW uses Session Initiation Protocol (SIP) to terminate VoIP calls so that in-home wiring does not change and standard telephone sets may be used. The H660GW supports the full Triple Play of services including voice and high speed internet access service.

The H660GW 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.

Product Specifications

System

- 128MB Flash Memory
- 128MB SDRAM
- USB Interface
- GPON Interface Capacity:
Up 1.25Gbps / Down 2.5Gbps
 - Bidirectional Optical Sub Assembly (BOSA) type module
- Receiving optical sensitivity:
Better than -28dBm

GPON ONT

- ITU-T G.984.x compliant
- Forward Error Correction (FEC)
- Multiple T-CONTs/GEM ports per device
- Flexible mapping between GEM port and T-CONT
- Priority queues and scheduling on Upstream
- Activation with automatic discovered Serial Number and password
- Dying Gasp

L2/L3/L4

- IEEE 802.1D and IEEE 802.1Q
- Address learning with auto aging
- VLAN Filter
- L2/L3 Filter
- BPDU Filter
- Static routing
- DHCP server / client
- DNS proxy
 - Auto/Manual
- NAT/NAPT/Port forwarding (Forwarding engine up to 16K)
- MCL, DDNS, UPnP Port mapping, ALG
- NTP
- NAT loopback
- PPPoE client
 - Automatically initiating the session
 - Automatically keep alive

Multicast

- IGMP snooping
- IGMP proxy

Quality of Service

- HW-based internal IEEE 802.1p (CoS)
- Strict Priority (SP)
- 802.1Q (VLAN tag) QoS mapping,

ToS/CoS

- 8 queues per port

Management

- ITU-T 984.4 compliant OMCI interface
- IEEE802.3x flow control
- LED indications for maintenance
- Web-based management
- ONT service provisioning
- TR-69

Wireless LAN

- IEEE802.11b/g/n compliant
- Multiple SSIDs
- Up to 32 devices can accessed simultaneously
- 64/128bit wireless encryption protocol (WEP)
- Bandwidth: 2.4GHz
- Two Transmit and Two Receive path (2T2R)
- 2x2 MIMO
- Max. data rate : 54Mbps in 802.11g
- Supports MCS0 /7 /8 /15 modulation and coding rate
- Supports 20 MHz and 40 MHz channels
- Security: WEP, WPA-PSK (TKIP) & WPA2-PSK (AES)
- Wi-Fi Protected Setup (WPS)

VoIP Features

- SIP (RFC3261/3262/3264)
- 5-REN per POTS
- RTP, RTCP (RFC3550/3551)
- DTMF Generation / Detection, Pulse Dial Detection
- Multiple codecs: G.711, G.723.1, G.729
- T.38 FAX mode
- Echo cancellation

Network Attached Storage (NAS)

- Easy-to-use USB 2.0 port allows user to store and share files across the network