

H640G

FTTH/GPON ONT



Overview

DASAN Networks H640G 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 H640G supports data rates of 1.25Gbps upstream and 2.5Gbps downstream.

With DASAN's leading-edge G-PON technology, users can enjoy bandwidth-intensive multimedia services such as real-time video, audio and gaming much easier and faster than ever before.

The H640G supports one G-PON uplink port and four 10/100/1000Base-T Gigabit Ethernet ports.

The H640G utilizes technology for intelligent IP-based access resulting in reliable network deployment models and management.

Features

- G-PON Interface
- ITU-T G.984.2 Class B+ compliant
- Data rate of 1.25Gbps /2.5Gbps (US/DS)
- Wavelength : TX 1310nm, RX 1490nm
- Advanced QoS & Network Management
- Priority queues and scheduling on Upstream
- 802.1p mapper service profile on US
- Remote Fault Monitoring
- IEEE 802.1D and IEEE 802.1Q bridging

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Specification

Flash Memory	128MB NAND
SDRAM	128MB DDR3
Uplink Port	1 GPON port (SC/APC, SFF)
Service Port	4 10/100/1000BASE-T ports (RJ45)
Operating Temp.	32 to 122° F (0 to 50° C)
Operating Humidity	5 to 90% (non-condensing)
Power Voltage (adapter)	Input: 100-240VAC, 50/60Hz Output: 12VDC/1A
Dimensions (W x H x D)	6.30 x 1.58 x 4.91 in (160 x 40 x 124.5 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 1K MAC addresses)
VLAN	<ul style="list-style-type: none"> • VLAN port filtering • Destination address port filtering • 16 active VLANs
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
RGU (L3 Routing mode)	<ul style="list-style-type: none"> • 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

