

GPON ONT with VoIP Service



Dasan Networks is a global leader in delivering network and access solutions that enable high-speed data, voice, video, and wireless service over FTTP (fiber-to-the-premise) and legacy copper networks. Our complete line of Optical Network Terminals (ONTs) offers next generation services to easily add subscribers and increase revenues.

Dasan Networks' H640V is an indoor ONT designed for subscribers requiring multiple POTS and high-speed data interfaces. Fully compliant with ITU-T G.984 standards, the H640V supports data rates of 1.25Gbps upstream and 2.5Gbps downstream. With DASAN's GPON technology, users get bandwidth-intensive multimedia services like real-time video, audio and gaming faster and easier than ever before. The H640V enhances the ability to deliver demanding VoIP services using Session Initiation Protocol (SIP) allowing existing in-home wiring and telephone sets to be used. The H640V uses Standards-based OMCI (ONT Management and Control Interface) for remote management.

Features

- ITU G.984 GPON compliant
- 4 High-speed Ethernet ports with line rate performance
- 2 POTS FXS ports
- Carrier Class VoIP telephony supporting both MGCP and SIP protocols
- Flexible VLAN tagging support
- Full Provisioning and Management using EMS
- QoS for traffic prioritization and bandwidth management
- IGMP support for IPTV applications
- Fully Managed via Dasan's ISAN Element Manager

Specifications

Flash Memory	8MB
SDRAM	16MB
Service Ports	4 Ethernet ports 10/100Base-TX (RJ45) 2 POTS ports (RJ11)
Uplink Port	1 GPON port (SC/APC type)
Operating Temp.	32 ~ 113 °F (0 ~ 45 °C)

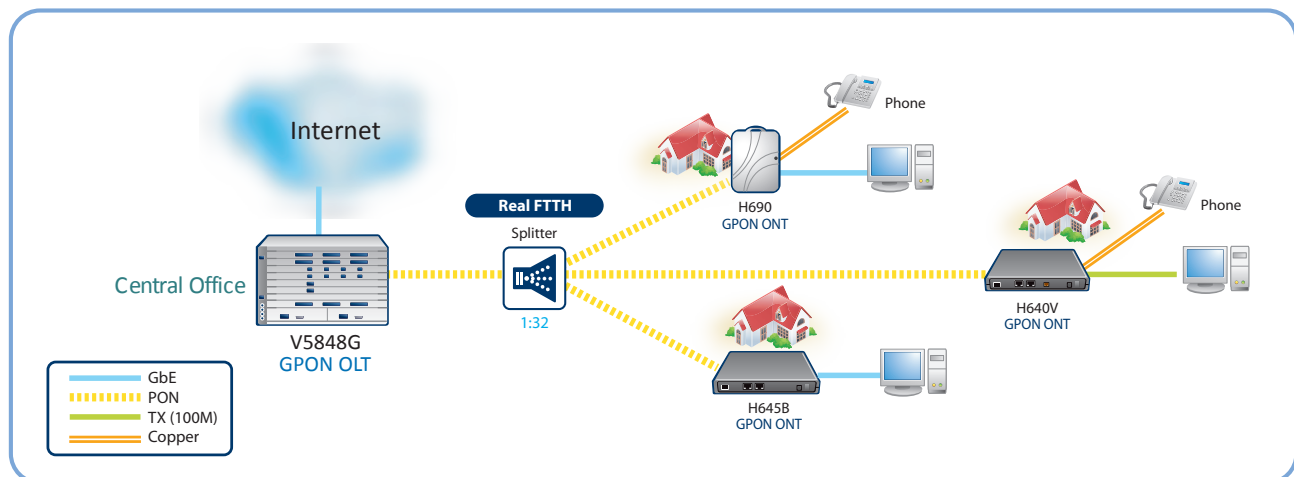
Storage Temp.	-4 ~ 140 °F (-20 ~ 60 °C)
Operating Humidity	5 ~ 90% (non-condensing)
Power Voltage (adapter)	Input : 100-240VAC, 50/60Hz Output : 12VDC/1A
Dimensions (W x H x D)	6.8 x 1.3 x 5.1 in (172 x 33 x 130 mm)
Regulatory Compliance	UL, FCC Part 15

Capabilities

GPON Interface	<ul style="list-style-type: none"> ITU-T G.984.2 Class B+ compliant 1.25Gbps Upstream / 2.5Gbps Downstream Wavelength: TX 1490nm, RX 1310nm Forward Error Correction (FEC) Multiple T-CONTs per device Support for multicast GEM port
Layer 2/Data	<ul style="list-style-type: none"> Untagged Port configuration Standard Ethernet bridging Address learning with auto aging IEEE 802.1D and IEEE 802.1Q bridging
POTS Line Interface	<ul style="list-style-type: none"> SIP RFC3261/3262/3263/3264 DTMF dialing Multiple Codec: G.711, G723.1, G729 T.38 FAX mode 5-REN 55V RMS Echo cancellation

Advanced QoS	<ul style="list-style-type: none"> QoS with four IEEE traffic classes HW-based internal IEEE 802.1p (CoS) Strict Priority (SP) 4 queues per port SLA based protection of delay sensitive traffic L2/L3/L4 Filtering
Management	<ul style="list-style-type: none"> Full OMCI Integration Fiber cable management Fully Managed via Dasan's ISAN Element Manager SNMP, Telnet Remote Fault Monitoring
VLAN	<ul style="list-style-type: none"> VLAN tagging and stacking VLAN port filtering Source MAC address learning Multicast IGMP snooping

Sample Configuration



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