

# H665

Broadband Access FTTx/GPON ONT



## Overview

The H665 is Optical Network Terminal (ONT) compliant with ITU-T G.984 standard. DASAN Networks has developed H665 for all clients on the basis of Gigabit Passive Optical Network (GPON) technology. GPON technology supports upstream 1.25Gbps and downstream 2.5Gbps data transmission rate. With DASAN's leading-edge GPON technology, users can enjoy bandwidth-consuming multimedia services such as real-time video, audio and gaming much easier and faster than ever before. The H665 is comprised of one GPON uplink port and one Gigabit Ethernet downlink port supporting 10/100/1000Base-T (RJ45). The H665 supports high speed internet access service. The H665 contains both built-in wire-speed L2 switch and L3 routing gateway with port forwarding, NAT and NAPT address translation, multiple PPPoE clients support for high speed internet service.

## Features

- GPON Interface
  - ITU-T G.984.3 compliant GPON ONT
  - Data rate of 1.25Gbps (Up)/2.5Gbps(Down)
  - Wavelength : TX 1310nm, RX 1490nm
- Advanced QoS & Network Management
  - Protection of delay-sensitive traffic based on SLA
  - Multi-Layer Filtering
  - Remote Fault monitoring
  - IEEE 802.1D and IEEE 802.1Q bridging
  - Dying Gasp support

## Specification

Flash Memory	128MB
SDRAM	128MB
Uplink Port	1 GPON port (SC/APC, BOSA)
Service Port	1 10/100/1000BASE-T port (RJ45)
LED	POWER, PON, ALARM, LAN
Operating Temp.	23 to 113°F (-5 to 50°C)
Operating Humidity	5 to 95% (non-condensing)
Power Voltage (Adapter)	Input: 100-240VAC, 50/60Hz Output: 12VDC/0.5A
Dimensions (W x H x D)	3.46 x 1.06 x 3.35 in (87 x 27 x 85 mm)
Miscellaneous Interface	On/Off power switch

## Capabilities

GPON	<ul style="list-style-type: none"> <li>• ITU-T G.984 compliant</li> <li>• Forward Error Correction (FEC)</li> <li>• Multiple T-CONTs/GEM ports per device</li> <li>• Flexible mapping as GEM and T-CONT</li> <li>• Dying gasp</li> </ul>
Layer 2	<ul style="list-style-type: none"> <li>• Untagged port configuration</li> <li>• IEEE802.1D and IEEE802.1Q bridging</li> <li>• Standard Ethernet bridging</li> <li>• MAC address learning with auto aging</li> </ul>
VLAN	<ul style="list-style-type: none"> <li>• VLAN port filtering</li> <li>• Destination address port filtering</li> <li>• Source MAC address learning</li> </ul>
Multicast	<ul style="list-style-type: none"> <li>• IGMP snooping</li> </ul>
QoS	<ul style="list-style-type: none"> <li>• HW-based internal IEEE 802.1p (CoS)</li> <li>• Strict Priority (SP)</li> <li>• 802.1Q QoS mapping, ToS/CoS</li> <li>• 8 queues per port</li> </ul>
Management	<ul style="list-style-type: none"> <li>• ITU-T 984.4 compliant OMCI interface</li> <li>• IEEE 802.3x flow control</li> <li>• LED indications for maintenance</li> <li>• Web-based management</li> </ul>

## Sample Configuration

