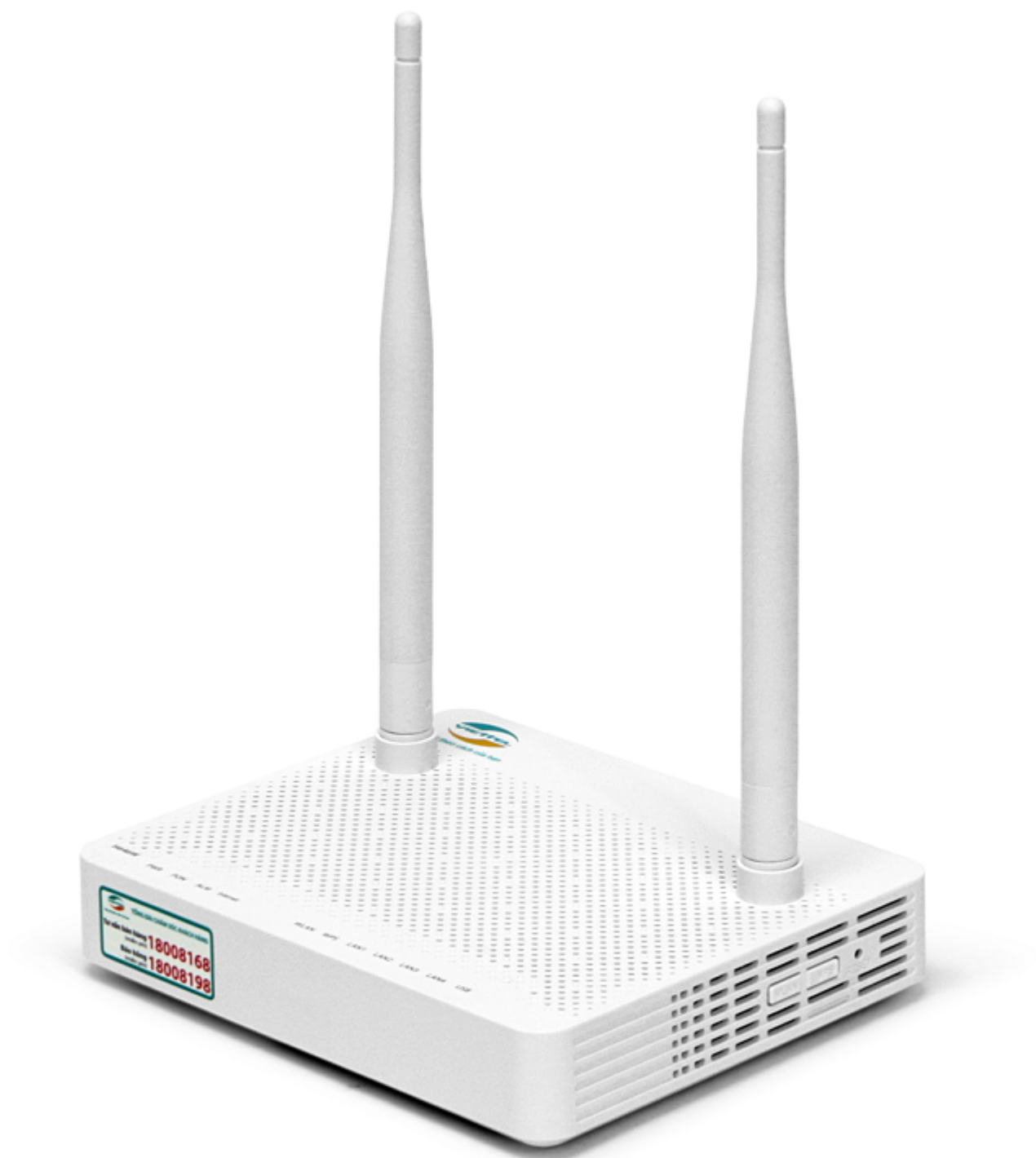# H646EW

Broadband Access FTTx/GPON ONT

DASAN

Overview

Delivering data and video services to the subscriber for Fiber-to-the-Home or Fiber-to-the-Premises applications, Dasan's GPON ONT H646EW (4 FE, WiFi,USB) provides interoperability. The H646EW delivers built-in wire-speed L2 switching and L3 routing gateway with port forwarding, NAT/NAPT address translation, and PPPoE client support for high speed Internet service. With an ITU-T G.984 compliant 2.5G Downstream and 1.25G Upstream GPON uplink interface the H646EW provides video, high speed internet, WiFi, and Dasan operability and reliability.

Features

- • GPON Interface
- - ITU-T G.984.x compliant GPON ONT
- - Interface capacity: 1.2Gbps/2.5Gbps (US/DS)
- - Wavelength: TX 1310nm, RX 1490nm
- • Wireless LAN
- - IEEE802.11b/g/n wireless interface, dual external antenna
- - Multiple SSIDs
- - Security: WEP, WPA-PSK (TKIP) & WPA2-PSK (AES)

H646EW
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Specification

Flash Memory	128MB NAND
SDRAM	128MB DDR
Uplink Port	1 GPON port (SC/APC, BOSA)
Service Port	4 10/100BASE-T ports (RJ45)
Wi-Fi Interface	IEEE802.11b/g/n wireless interface
USB Port	1 USB port
Operating Temp.	23 to 122°F (-5 to 50°C)
Operating Humidity	20 to 90% (non-condensing)
Power Voltage (adapter)	Input: 100-240VAC, 50/60Hz Output: 12VDC/1A
Dimensions (W x H x D)	160 x 54.3 x 130 mm
Miscellaneous Interface	On/Off power switch, Reset button (system reboot)

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 • IEEE802.1D and IEEE802.1Q bridging • Standard Ethernet bridging • MAC address learning with auto aging (Up to 4K MAC addresses)
VLAN	• VLAN port filtering • Destination address port filtering
Multicast	• IGMP snooping
QoS	• HW-based internal IEEE 802.1p (CoS) • Strict Priority (SP) • 8 queues per port
Wi-Fi	• IEEE802.11b/g/n compliant • Multiple SSIDs, Bandwidth: 2.4GHz • 64/128bit wireless encryption protocol (WEP)
RGU (L3 Routing mode)	• PPPoE client : one client per RG ONT • DHCP server / client • DNS Relay server (DNS relay, DNS transparent) • NAT and NAPT: 16K session (US 8K, DS 8K) • Port forwarding • Stateful packet inspection firewall with ACL

Sample Configuration