



ISCOM HT803G-WS2

The ISCOM HT803G-WS2 is a GPON uplink dual-frequency HGU ONT. It offers 1 GPON uplink interface, 4 GE downlink interfaces, 2 voice interfaces, 1 USB2.0 interface and supports dual-frequency WLAN. By adopting the mainstream solution in the industry, the ISCOM HT803G-WS2 features high CPU processing capability and data forwarding performance, multicast, maintenance and management, providing users with sound broadband and video access experiences, widely used in the FTTH network.

ISCOM HT803G-WS2

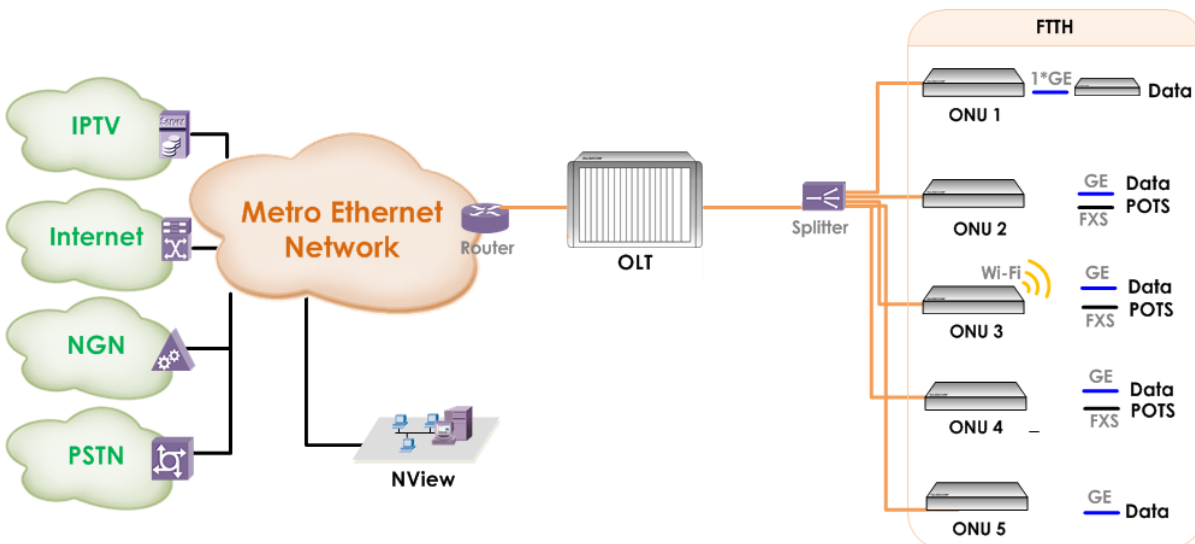


Highlights >>

- Elegant appearance** Plastic shell, low overall power consumption, and good heat dissipation
- Multiple service access** Integrating GPON ONU, WLAN AP, IAD, LAN switch, and router into one, providing users with integrated access services of data, voice, and video
- Dual-frequency WLAN** Support 2.4G&5G dual-frequency WLAN with better user experiences
- Flexible management** Support OMCI, TR069, web and Raisecom NMS management

Application >>

Figure.1 Applied in FTTH network offer wide service access





Key Features >>

GPON interface

- Interface type (single-mode fiber): PON optical interface, SC/APC
- Transmission rate: uplink 1.244 Gbit/s and downlink 2.488 Gbit/s
- Central wavelength: Tx 1310 nm and Rx 1490 nm
- Tx optical power: 0.5–5 dBm
- Maximum Rx sensitivity: -28 dBm
- Overload optical power: -8 dBm

GE interface

- 10/100/1000Base-T RJ-45 Ethernet interface
- Ethernet interface auto-negotiation or manual configuration
- MDI/MDIX auto-detection

Voice interface

- DTMF dialup
- Multiple coding schemes: G.711 (μ -law and A-law), G.729 (A and B), G.723.1
- Echo cancellation
- VAD and CNG
- SIP (RFC3261), SDP (RFC2327), RTP (RFC3550/3551)
- RFC2833 DTMP coding or SIP INFO method
- Multiple classified services, such as CID, call waiting, call forwarding, call transfer, call switching, three-way calling and classified ringing
- G.711 faxes, modem, and TTY devices
- T.38 fax
- Configurable dial-up plan
- Configurable rings for different countries
- Configurations of DHCP clients and static IP addresses

WLAN interface

- IEEE802.11 b/g/n and IEEE802.11ac
- 2.4GHz&5G dual-frequency WLAN
- MIMO: 2x2
- Multiple SSIDs
- 64-bit and 128-bit WEP
- WLAN protection access, such as WPA-PSK
- Turning WLAN on/off
- WPS

Multicast

- IGMP v1/v2
- IGMP Snooping v1 and v2
- Multicast vlan

DHCP

DHCP server and DHCP client

PPPoE

PPPoE client

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|----------------------------|--|
| IPv6 address management | <ul style="list-style-type: none"> ● Static configuration of IPv6 addresses ● Data forwarding based on interface binding and VLAN binding |
| Maintenance and Management | <ul style="list-style-type: none"> ● Managed via OMCI, TR069, web and Raisecom NMS ● Interface Up/Down alarms and Dying Gasp ● Information query of optical modules ● Query of memory and CPU utilization rate |

Specifications >>

Physical Interface	Uplink: 1 GPON CLASS B+ SC/APC Downlink: 4 GE (RJ45)+2 FXS(RJ11)+1 USB 2.0 + 2.4G&5G dual-frequency WLAN
Power Adapter	Input: 100–240 VAC (50/60 Hz) Output: 12 VDC, 1.5 A
Power consumption	Full load: <18W
User Conditions	Operating temp: 0~45°C Storage temp: -40~70°C Humidity: 10~90% non-condensing
Dimensions	184 (L) × 129 (W) × 38 (H) mm3
Weight	≤ 0.5Kg

Compliances >>

Standards & protocols	ITU-T G.984/G.988 G.711, G.729, G.723.1 T.38 RFC3261 RFC3550/3551 RFC 3261, RFC2543 RFC3550/3551 IEEE802.11 b/g/n/ac IGMP v1/v2 CE compliance, EMC Class B
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Ordering Information >>

ISCOM HT803G-WS2	GPON ONT with 1 GPON uplink(SC/APC), 4 GE, 2 FXS, 1 USB 2.0, Dual band 802.11b/g/n/ac (MIMO 2*2) WLAN * The ONT can be ordered with European and American or Brazilian power adaptor
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