

## ISCOM HT803G-WS2 (G)

The ISCOM HT803G-WS2 is a GPON uplink dual-band (Wi-Fi5) HGU ONT. It offers 1 GPON uplink interface, 4 GE downlink interfaces, 1 voice interface, 1 USB2.0 interface and supports dual-band WLAN (AC1200). By adopting the mainstream solution in the industry, the ISCOM HT803G-WS2 features high CPU processing capability and data forwarding performance, providing users with sound broadband access experiences, widely used in the FTTH network.

## ISCOM HT803G-WS2(G)



### Highlights >>

#### Multiple service access

Integrating GPON ONU, AP, IAD, LAN switch, and router into one, providing users with integrated access services of data, voice, and video.

#### overall performance

Support full gigabit interface, dual-band Wi-Fi5, and has low power consumption.

#### Wi-Fi5

Support 2.4G&5G dual-band Wi-Fi

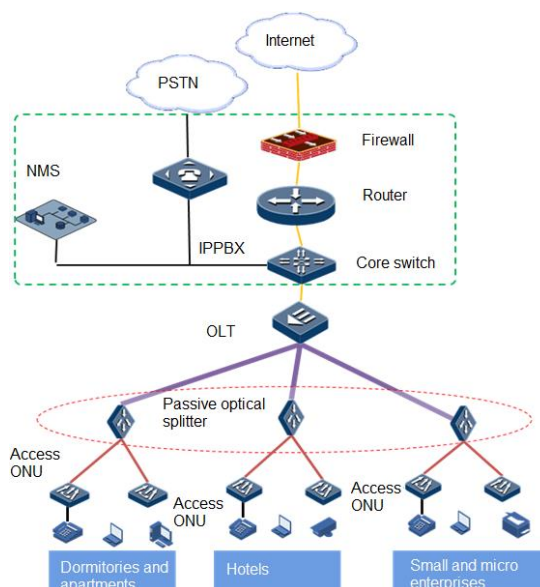
The wireless speed of IEEE802.11ac protocol standard reaches 1200Mbps

#### Flexible management

Support OMCI, TR069, web and Raisecom NMS management.

### Application >>

**Figure.1 Applied in FTTH network offer wide service access**



#### International Headquarters

Raisecom Building, East-11, No.10 Xibeiwang East Road,  
Haidian District, Beijing, P.R.China, 100193  
Tel: +86 10 8288 3305  
Fax: +86 10 8288 3056  
[www.raisecom.com](http://www.raisecom.com)

#### U.S.A. Headquarters

Address: 3031 N. Rocky Point Drive West Suite 100  
Tampa, Florida 33607 USA  
Tel: 1-888-816-4808  
Email: [sales@raisecominc.com](mailto:sales@raisecominc.com)

#### Raisecom Technology Co., Ltd.

Copyright@1999-2018  
All rights reserved  
Technical information is subjected to  
change without notice



## Key Features >>

### GPON interface

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

### LAN interface

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

### Voice interface

- DTMF dialup
- Multiple coding schemes: G.711 ( $\mu$ -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-band WLAN
- MIMO: 2x2
- Multiple SSIDs
- 64-bit and 128-bit WEP
- WLAN protection access, such as WPA-PSK
- WPS

### Multicast

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

### DHCP

- DHCP server and DHCP client

### PPPoE

- PPPoE client

#### International Headquarters

Raisecom Building, East-11, No.10 Xibeiwang East Road,  
Haidian District, Beijing, P.R.China, 100193  
Tel: +86 10 8288 3305  
Fax: +86 10 8288 3056  
[www.raisecom.com](http://www.raisecom.com)

#### U.S.A. Headquarters

Address: 3031 N. Rocky Point Drive West Suite 100  
Tampa, Florida 33607 USA  
Tel: 1-888-816-4808  
Email: [sales@raisecominc.com](mailto:sales@raisecominc.com)

#### Raisecom Technology Co., Ltd.

Copyright@1999-2018  
All rights reserved  
Technical information is subjected to  
change without notice



IPv6 address	● Static configuration of IPv6 addresses
management	● Data forwarding based on interface binding and VLAN binding
Maintenance and Management	<ul style="list-style-type: none"> <li>● Managed via OMCI, TR069, web and Raisecom NMS</li> <li>● Interface Up/Down alarms and Dying Gasp</li> <li>● Information query of optical modules</li> <li>● Query of memory and CPU utilization rate</li> <li>● Turning on or off the power of the optical module in the ONU PON interface</li> <li>● Optical module management, diagnosis, and its power supply control</li> </ul>
Security	<ul style="list-style-type: none"> <li>● Filtering packets by IP source port, IP source port range, IP destination port, or IP destination port range</li> <li>● Configuring the filter, firewall, and attack protection</li> </ul>

#### Specifications >>

Physical Interface	<p>Dimensions: 146 mm (Length) × 115mm (Width) × 32mm (Height)</p> <p>Weight: &lt;0.5kg</p> <p>Uplink: 1 GPON CLASS B+</p> <p>Downlink: 4 GE (RJ45)+1 FXS(RJ11)+1 USB 2.0 + 2.4G&amp;5G dual-band WLAN</p>
Power Adapter	<p>Input: 100–240 VAC (50/60 Hz)</p> <p>Output: 12 VDC, 1.5 A</p>
Power consumption	Full load: <18W
User Conditions	<p>Operating temp: -5~45°C</p> <p>Storage temp: -20~65°C</p> <p>Humidity: 10~90% non-condensing</p>

#### Ordering Information >>

<b>ISCOM HT803G-WS2-05</b>	GPON uplink, four 10/100/1000 Mbit/s Ethernet interfaces, 1POTS interfaces, 1 USB 2.0 interface, dual-band Wi-Fi5 (AC1200) , external American power adapter (12 VDC, 1.5A)
<b>ISCOM HT803G-WS2-07</b>	GPON uplink, four 10/100/1000 Mbit/s Ethernet interfaces, 1POTS interfaces, 1 USB 2.0 interface, dual-band Wi-Fi5 (AC1200) , external European power adapter (12 VDC, 1.5A)

#### International Headquarters

Raisecom Building, East-11, No.10 Xibeiwang East Road,  
Haidian District, Beijing, P.R.China, 100193  
Tel: +86 10 8288 3305  
Fax: +86 10 8288 3056  
[www.raisecom.com](http://www.raisecom.com)

#### U.S.A. Headquarters

Address: 3031 N. Rocky Point Drive West Suite 100  
Tampa, Florida 33607 USA  
Tel: 1-888-816-4808  
Email: [sales@raisecominc.com](mailto:sales@raisecominc.com)

#### Raisecom Technology Co., Ltd.

Copyright©1999-2018  
All rights reserved  
Technical information is subjected to  
change without notice