



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 interfaces, 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

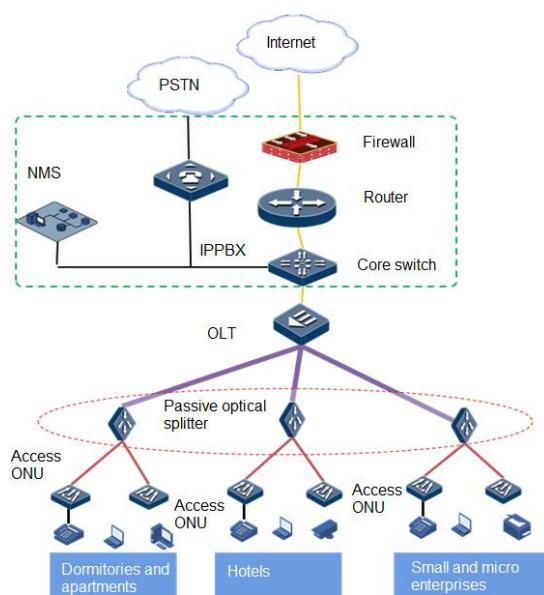
The wireless speed of IEEE802.11ac protocol standard reaches 1200Mbps

Flexible management

Support OMCI, TR069, web and Raisecom NMS management.

Application >>

Figure.1 Applied in FTTH network offer wide service access



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**Key Features >>**

GPON interface	<ul style="list-style-type: none">● 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	<ul style="list-style-type: none">● 10/100/1000Base-T RJ-45 Ethernet interface● Ethernet interface auto-negotiation or manual configuration● MDI/MDIX auto-detection● Auto-MDI/MDIX
Voice interface	<ul style="list-style-type: none">● 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	<ul style="list-style-type: none">● 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	<ul style="list-style-type: none">● IGMP v1/v2● IGMP Snooping v1 and v2● Multicast vlan
DHCP	<ul style="list-style-type: none">● DHCP server and DHCP client
PPPoE	<ul style="list-style-type: none">● 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 Turning on or off the power of the optical module in the ONU PON interface Optical module management, diagnosis, and its power supply control
Security	<ul style="list-style-type: none"> Filtering packets by IP source port, IP source port range, IP destination port, or IP destination port range Configuring the filter, firewall, and attack protection

Specifications >>

Physical Interface	<p>Dimensions: 146 mm (Length) × 115mm (Width) × 32mm (Height)</p> <p>Weight: <0.5kg</p> <p>Uplink: 1 GPON CLASS B+</p> <p>Downlink: 4 GE (RJ45)+1 FXS(RJ11)+1 USB 2.0 + 2.4G&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	<p>Full load: <18W</p>
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 >>

ISCOM HT803G-WS2-05	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)
ISCOM HT803G-WS2-07	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)

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