RAISECOM
Raisecom Technology Co., Ltd.

ISCOM HT803G-WS2

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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.
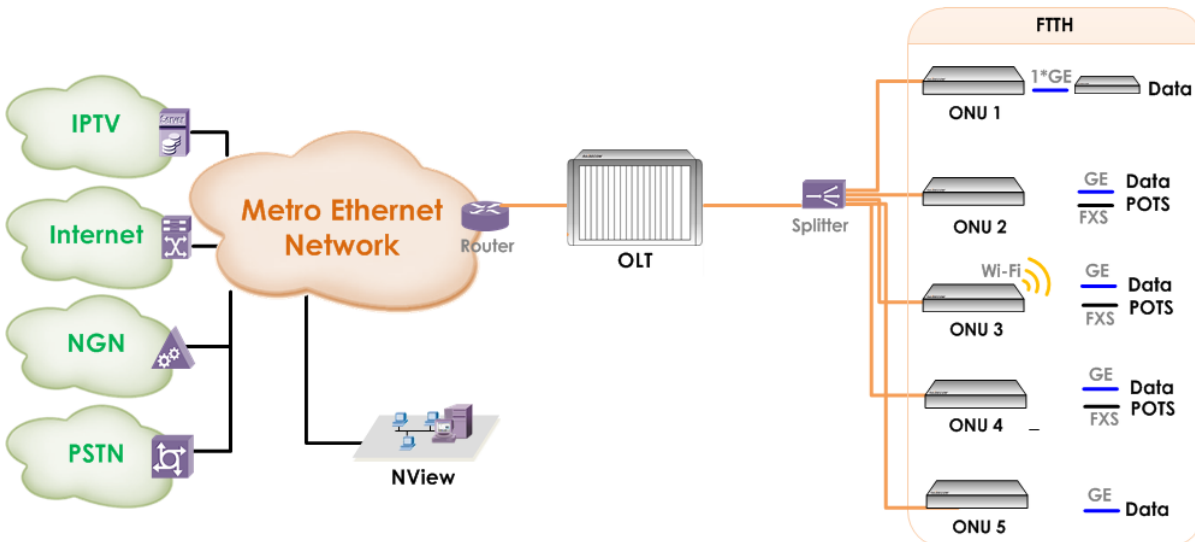
Highlights >>

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

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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: 2×2
	• 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

IPv6 address management	●	Static configuration of IPv6 addresses
	●	Data forwarding based on interface binding and VLAN binding
Maintenance and Management	●	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

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