

ISCOM HT803G Series Dualband GPON HomeGateway

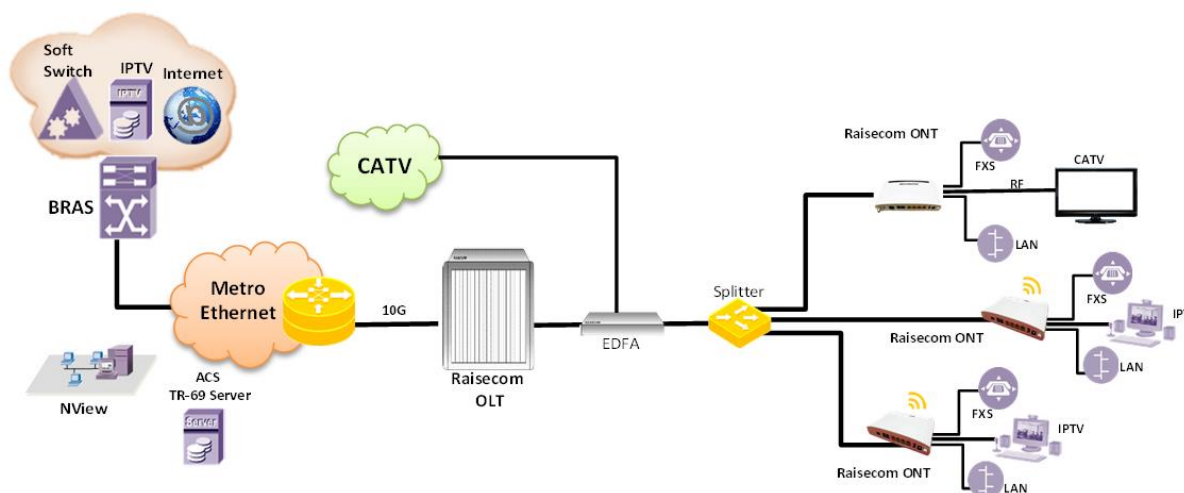
The ISCOM HT803G-US2 is a GPON uplink dual-frequency HGU promoted by Raisecom. It offers 1 GPON uplink interface, 4 GE downlink interfaces, 2 voice interfaces, 1 USB2.0 interface, and 1 CATV RF interface and supports dual-frequency WLAN. By adopting the mainstream solution in the industry, the ISCOM HT803G-US2 features high CPU processing capability and data forwarding performance, complete QoS, multicast, maintenance and management, providing users with sound broadband and video access experiences.



ISCOM HT803G-US2/US2

Application >>

Figure.1 GPON Comprehensive Access Solution



FTTH Access

- Elegant appearance, low overall power consumption, and good heat dissipation
- Meeting the ITU-T G.984/G.988 standard and standards of China communication industry
- High performance-price ratio, widely used in the FTTH networking
- Integrating GPON ONU, CATV, WLAN AP, IAD, LAN switch, and router into one, providing users with integrated access services of data, voice, and video
- Dual-frequency WLAN, providing users with better WLAN experiences

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Hardware features>>

ONT Model	ISCOM HT803G-WS2	ISCOM HT803G-US2
Dimensions (mm) (L*W*H)	184*129*38	184*129*38
Power Consumption (W)	<18	<18
Weight (Kg)	<0.5	<0.5
PON Type	GPON	GPON
GE(10/100/1000 BT)	4	4
FE(10/100 BT)	-	-
POTS (FXS)	2	2
WLAN	802.11b/g/n/ac	802.11b/g/n/ac
CATV (RF)	-	1
Power supply	12VDC, 1.5A	12VDC, 1.5A
Operating temperature	5–45°C	
Operating humidity (RH)	10%–90% (non-condensing)	

Software features>>

GPON Interface	<ul style="list-style-type: none"> ● 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	<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

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POTS Interface

- RJ-11 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

CATV Interface

- Optical connector type: SC/APC
- CATV Rx wavelength: 1100–1600 nm
- Input optical power: -18 to 2 dBm
- RF output level: > 82 dBuV

QoS/ACL

- QoS and ACL traffic classification actions
- Priority scheduling, such as SP and WFQ queue scheduling
- mode
- Traffic classification based on source/destination MAC
- address, source/destination IP address, protocol (such as TCP, UDP, and RTP), source/destination interface ID, Flow Label
- (IPv6 data flow only)
- Bandwidth guarantee and restriction based on traffic
- classification results
- WMM

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Maintenance and management	<ul style="list-style-type: none"> ● OLT, Web, TR069, and CLI management ● Interface Up/Down alarms and Dying Gasp ● Information query of optical modules ● Query of memory and CPU utilization rate
Multicast	<ul style="list-style-type: none"> ● IGMP v1, v2, and v3 ● IGMP Proxy/MLD Snooping ● Multicast transparent transmission
L3 service	<ul style="list-style-type: none"> ● DHCP server and DHCP client ● PPPoE client ● Static configuration of IPv6 addresses ● Data forwarding based on interface binding and VLAN binding

Ordering Information >>

ISCOM HT803G-WS2	GPON uplink(SC/APC), 4 GE, 2 FXS, 1 USB 2.0, Dual band 802.11b/g/n/ac (MIMO 2*2) WLAN, external power supply adapter
ISCOM HT803G-US2	GPON uplink(SC/APC), 4 GE, 2 FXS, 1 USB 2.0, Dual band 802.11b/g/n/ac (MIMO 2*2) WLAN, external power supply adapter

Note: The ONT's can be ordered with European, American, UK or Brazilian power adaptor

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