



## ISCOM HT803G-WS2 Optical Access Terminal

### Introduction

The ISCOM HT803G-WS2 is a GPON uplink dual-frequency HGU promoted by Raisecom. It offers 1 GPON uplink interface, 4 GE downlink interfaces, 2 voice interfaces, and 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, complete QoS, multicast, maintenance and management, providing users with sound broadband and video access experiences.



### Device highlights

- 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, WLAN AP, IAD, LAN switch, and router into one, providing users with integrated access services of data, voice, and video

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- Dual-frequency WLAN, providing users with better WLAN experiences

## Technical specifications

Physical features	
Dimensions	184 mm (Length) × 129 mm (Width) × 38 mm (Height)
Weight	< 0.5 kg
Power consumption	< 18 W
Power adapter input	100–240 VAV (50/60 Hz)
Power adapter output	12 VDC, 1.5 A
Operating temperature	5°C–45°C
Relative humidity	10%–90% RH, (non-condensing)
Software features	
TR069	Standard TR069
Maintenance and management	<ul style="list-style-type: none"><li>• OLT, Web, and CLI management</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></ul>
OAM	<ul style="list-style-type: none"><li>• Standard OAM</li><li>• Extended OAM</li></ul>
QoS/ACL	<ul style="list-style-type: none"><li>• QoS and ACL traffic classification actions</li><li>• Priority scheduling, such as SP and WFQ queue scheduling mode</li><li>• 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)</li><li>• Bandwidth guarantee and restriction based on traffic classification results</li><li>• WMM</li></ul>
Multicast	<ul style="list-style-type: none"><li>• IGMP v1, v2, and v3</li></ul>

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	<ul style="list-style-type: none"> <li>• IGMP Proxy/MLD Snooping</li> <li>• Multicast transparent transmission</li> </ul>
DHCP	DHCP server and DHCP client
PPPoE	PPPoE client
IPv6 address management	<ul style="list-style-type: none"> <li>• Static configuration of IPv6 addresses</li> <li>• Data forwarding based on interface binding and VLAN binding</li> </ul>
<b>Interface index</b>	
GPON interface	<ul style="list-style-type: none"> <li>• Interface type (single-mode fiber): PON optical interface, SC/APC</li> <li>• Transmission rate: uplink 1.244 Gbit/s and downlink 2.488 Gbit/s</li> <li>• Central wavelength: Tx 1310 nm and Rx 1490 nm</li> <li>• Tx optical power: 0.5–5 dBm</li> <li>• Maximum Rx sensitivity: -28 dBm</li> <li>• Overload optical power: -8 dBm</li> </ul>
GE interface	<ul style="list-style-type: none"> <li>• 10/100/1000Base-T RJ-45 Ethernet interface</li> <li>• Ethernet interface auto-negotiation or manual configuration</li> <li>• MDI/MDIX auto-detection</li> </ul>
POTS interface	<ul style="list-style-type: none"> <li>• RJ-11 interface</li> <li>• DTMF dialup</li> <li>• Multiple coding schemes <ul style="list-style-type: none"> <li>– G.711 (<math>\mu</math>-law and A-law)</li> <li>– G.729 (A and B)</li> <li>– G.723.1</li> </ul> </li> <li>• Echo cancellation</li> <li>• VAD and CNG</li> <li>• SIP (RFC3261)</li> <li>• SDP (RFC2327)</li> <li>• RTP (RFC3550/3551)</li> <li>• RFC2833 DTMP coding or SIP INFO method</li> <li>• Multiple classified services, such as CID, call waiting, call forwarding, call transfer, call switching, three-way calling,</li> </ul>

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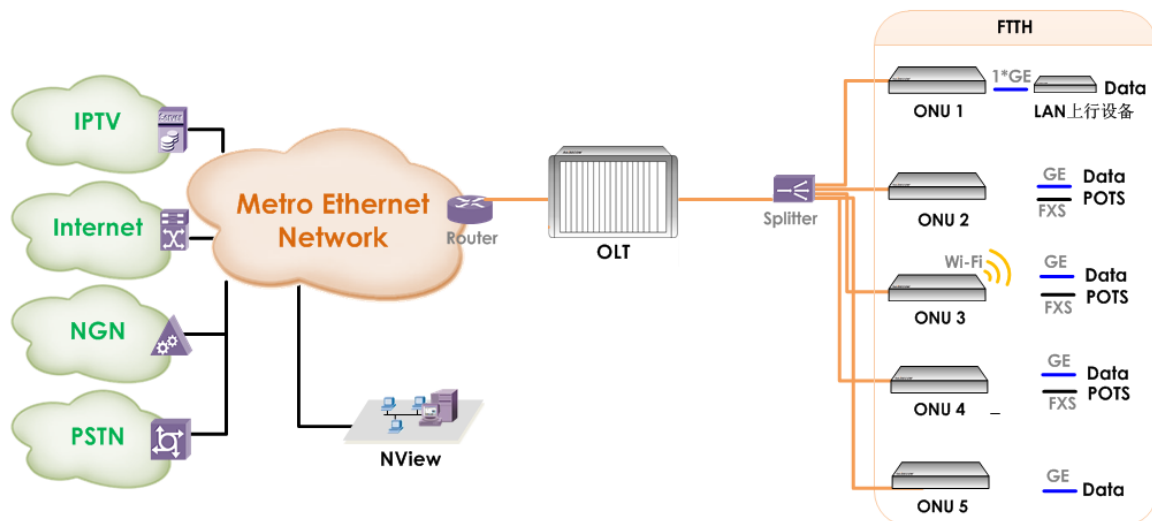
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	<p>and classified ringing</p> <ul style="list-style-type: none"> <li>• G.711 faxes, modem, and TTY devices</li> <li>• T.38 fax</li> <li>• Configurable dial-up plan</li> <li>• Configurable rings for different countries</li> <li>• Configurations of DHCP clients and static IP addresses</li> </ul>
WLAN interface	<ul style="list-style-type: none"> <li>• IEEE802.11 b/g/n and IEEE802.11ac</li> <li>• 2.4GHz&amp;5G dual-frequency WLAN</li> <li>• MIMO: 2x2</li> <li>• Multiple SSIDs</li> <li>• 64-bit and 128-bit WEP</li> <li>• WLAN protection access, such as WPA-PSK</li> <li>• Turning WLAN on/off</li> <li>• WPS</li> </ul>

## Networking solution

The ISCOM HT803G-WS2 is applicable to the FTTH scenario, providing users with broadband, voice, video, and WLAN access.



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## Ordering information

Model	Version	Description
ISCOM HT803G-WS2-07	T	<ul style="list-style-type: none"><li>• GPON uplink</li><li>• HGU</li><li>• Four 10/100/1000 Mbit/s Ethernet interfaces</li><li>• 2 POTS interfaces</li><li>• 1 USB interface</li><li>• Dual-frequency WLAN</li><li>• External European power adapter</li></ul>

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