



ISCOM HT803G-U Series | Standalone GPON ONT

Product Overview

Equipped with ITU-T G.984 compliant 2.5G Downstream and 1.25G Upstream GPON interface, ISCOM HT803G-U supports the full Triple Play of services including voice, video, and high speed internet access service. It provides CATV service and Wi-Fi function with IEEE 802.11b/g/n compliant for wireless router accessing and convenient USB2.0 home network storage and file-sharing services.

ISCOM HT803G-U has one SC/APC GPON interface, 4*10/100/1000 Base-T interface for accessing subscriber's gateway or computer, 2*POTS interface for connecting analog phones and WLAN transmission rate up to 300 Mbps. Together with RAISECOM OLT device including ISCOM6800 and ISCOM5508-GP, as home gateway terminal device which provides NAT, firewall, high-speed forwarding, 802.11b/g/n wireless, UPnP, DHCP, PPPoE and other gateway functions, can be remotely managed and ault diagnosis. Compliant with standard OMCI definition, ISCOM HT803G-U is manageable at remote side and supports the full range FCAPS functions including supervision, monitoring and maintenance.

Highlights

- WLAN with high-speed data transfer rate of up to 300 Mbps, Compatible with IEEE 802.11b/g/n, 2.4 GHz compliant equipment.
- WAN connection: PPPoE, DHCP and static
- DHCP, DNS relay / NAT / NAPT
- VPN, Firewall, ALG, DMZ, DDNS, NTP
- Universal Plug and Play (uPnP)
- IGMP proxy
- IPv6
- 1 USB Host interface, Compliant to USB 2.0, Network storage
- Standard compliant OMCI (the embedded operations channel) interface as defined by ITU-T G.988
- Provisioning all kinds of services including Ethernet, VoIP, etc.
- Alarming and AVC report, performance monitoring
- Remotely software image download over OMCI, as well as activation and rebooting
- Hold two software sets with software image integrity checking and automatic rollback
- RF connector

Specifications

GPON Interface:

Compliant with ITU-T G.984.2 Amd1, ClassB+

SC/APC connector

1310nm burst receive

1490nm continuous transmit

1.244 Gbps Burst Mode Upstream

Transmitter, 2.488 Gbps Downstream

Receiver

Ethernet Interface:

1*10/100/1000 auto-negotiation

RJ45 connector

Full/half duplex mode

Auto MDI/MDIX

Dimension:

228(W)*49(H)*176(D)mm(with bracket)

228(W)*41(H)*176(D)mm(no bracket)

Weight: <1.5kg

Power Supply:

External 12V/1.5A power supply adapter

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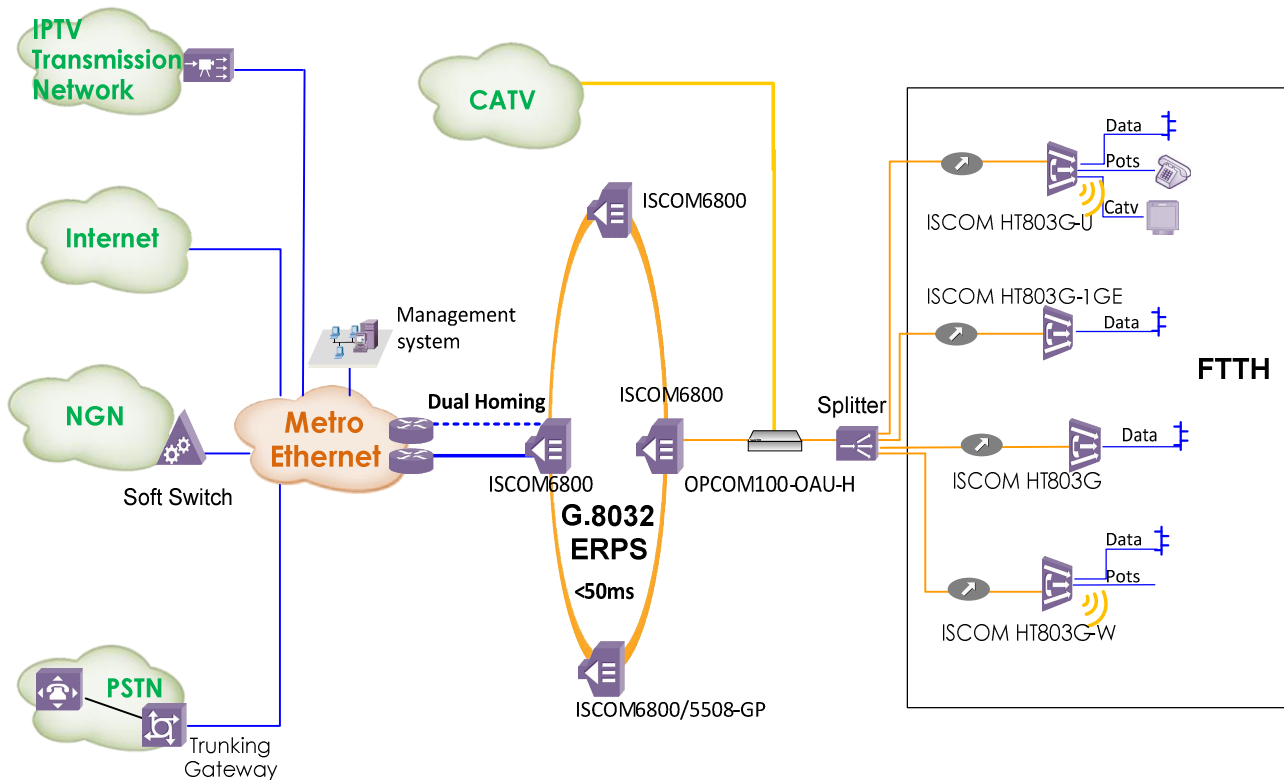
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Power consumption:
≤ 13.34W (at max load)
Working Environment:
Temp: 0~40 centigrade
RH: 5~95% non-condensing



Home Gateway & Router

- WAN connection: PPPoE, DHCP and static
- DHCP server for LAN devices
- DNS relay/NAT/NAPT
- VPN Pass thru for PPTP, L2TP and IPSec
- Firewall, Application Layer Gateway (ALG), DMZ
- Dynamic Domain Name Server (DDNS), NTP
- Universal Plug and Play (uPnP)
- IGMP proxy
- IPv6: Stateless Address Auto configuration(SLAAC), DHCPv6, PPPoEv6, DNSv6

Wireless Features

- Compliant with IEEE 802.11 b/g/n
- 2.4GHz
- MIMO:2x2
- Multiple SSIDs
- 64 and 128 bit Wireless Encryption Protocol (WEP) support
- Wireless Protected Access support including Pre Shared Key (WPA-PSK), WPA2-PSK
- Radio switched on/off function Support WPS

VOIP Features

- Support SIP, DTMF Dialing and Pulse Dialing
- Support DTMF encoding by RFC 2833 or SIP INFO



method

- Support T.38Fax, G.711, G.729, G.723.1 Pass-Through
- Support various CLASS services - Caller ID, Call Waiting, Call Forwarding, Call Transfer, Call Toggle, Three Way Calling, Distinctive Ringing, etc
- Country specific ring tone generation
- DHCP Client or static IP configuration
- Metallic Loop Testing, Echo Cancellation

CATV Interface

- RF connector
- Provide bandwidth 54MHz~870MHz CATV analog TV signals
- Support digital TV and HDTV

VLAN

- VLAN tagging/detagging per Ethernet port
- VLAN stacking(Q-in-Q) and VLAN Translation

Security

- Bi-directional AES-128 encryption

Multicast

- IGMP v2/v3 snooping
- Broadcast/Multicast rate limiting

QoS

- IP ToS/DSCP to 802.1p mapping
- Class of Service based on UNI, VLAV-ID, 802.1p bit, and ToS/DSCP
- Marking/Remarking of 802.1p

Standard Compliance

- IEEE802.1Q (VLAN), 802.1ad (QinQ), 802.1D (STP), 802.1s (MSTP), 802.1p (CoS Priority)
- ITU-T G.984 (GPON),
- IETF RFC 1493 (Bridge MIB),
- IGMP v1/v2/v3
- SNMP v1/v2/v3

Ordering Information

Model	Description
ISCOM HT803G-U	provides 1 GPON interface for uplink, 4x10/100/1000 Auto MDI/MDIX RJ45 ports, 1xUSB2.0 Host port, 802.11 b/g/n wireless LAN, 2xFXS ports and 1 RF port

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