ISCOM HT803G-1GE

ISCOM HT803G-1GE Series | Standalone GPON ONT

Product Overview

Equipped with ITU-T G.984 compliant 2.5G Downstream and 1.25G Upstream GPON interface, ISCOM HT803G-1GE is designed for residential and business subscribers' access. The device can be directly placed at home of terminal user for FTTH solution, supporting data and IPTV services.

ISCOM HT803G-1GE has one SC/APC GPON interface, 1*10/100/1000 Base-T interface for accessing home gateway CPE or computer. Together with RAISECOM OLT device including ISCOM6800 and ISCOM5508-GP, it provides full L2 switching functionality for high speed data and IPTV services. Compliant with standard OMCI definition, ISCOM HT803G-1GE is manageable at remote side and supports the full range FCAPS functions including supervision, monitoring and maintenance.

Highlights

- Plastic Shell ONT with light weight, small size, low power consumption
- Highly Cost Effective for FTTH
- Based on automatic discovery and configuration of ONU "Plug and Play"
- 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

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: 120(W)*33(H)*90(D) mm

Weight: <1kg

Power Supply:
    External 12V/1A power supply adapter

Power consumption:
    ≤4.6W (at max load)

Working Environment:
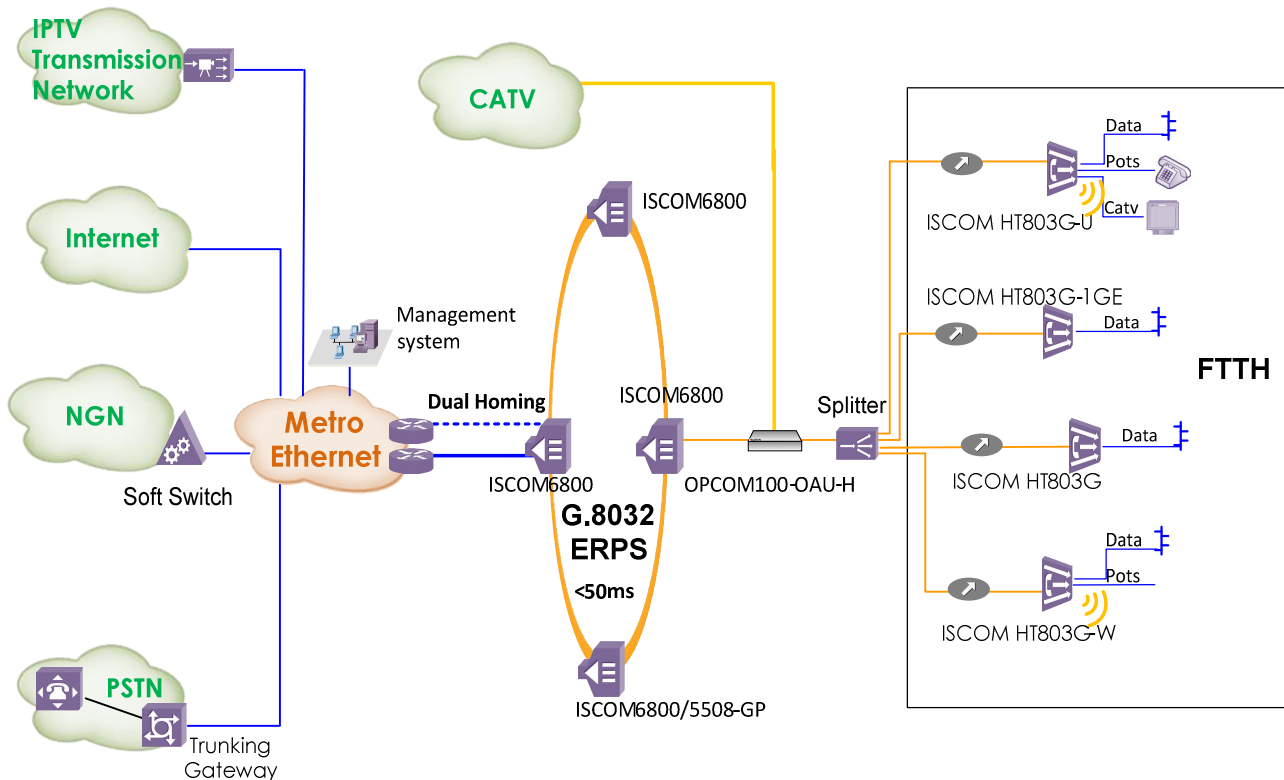   Temp: 0~50 centigrade
    RH: 10~95%　non-condensing

GPON Interface

- Compliant with ITU-T G.984
- Single T-CONT & Multiple T-CONT
- Flexible mapping between GEM and T-CONT
- AES-128 decryption
- FEC
- 802.1p mapping
- GEM for IPTV

Ethernet Interface

- 1x10/100/1000 auto-negotiation
- Auto MDI/MDIX
- VLAN tagging/detagging per Ethernet port
- VLAN stacking (Q-in-Q) and VLAN Translation
- MAX 256 MAC address
- 8x4 VLAN group
- Traffic classification & Packets Filter

IPTV service

- Support IPTV (Multicast/Unicast)
- IGMP v2/v3 snooping
- Broadcast/Multicast rate limiting
- Optimized IGMP Snooping
- Up to 128 IGMP groups

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

OAM

- 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

Standard Compliance

- IEEE802.1Q (VLAN), 802.1ad (QinQ), 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-1GE	provides 1xGPON interface for uplink, 1x10/100/1000 Auto MDI/MDIX RJ45 port