



ISCOM HT803G-1GE GPON ONT

Raisecom ISCOMHT803G-1GE is a new-generation GPON home terminal with plastic shell for FTTH application. It provides 1 GPON uplink and 1 GE downlink which can be connected to a home gateway or router for high bandwidth data services, ensuring excellent user experience for data and high definition video services. Featuring small size and low weight, it facilitates deployment in a splice box and network expansion and reconstruction.

ISCOM HT803G-1GE

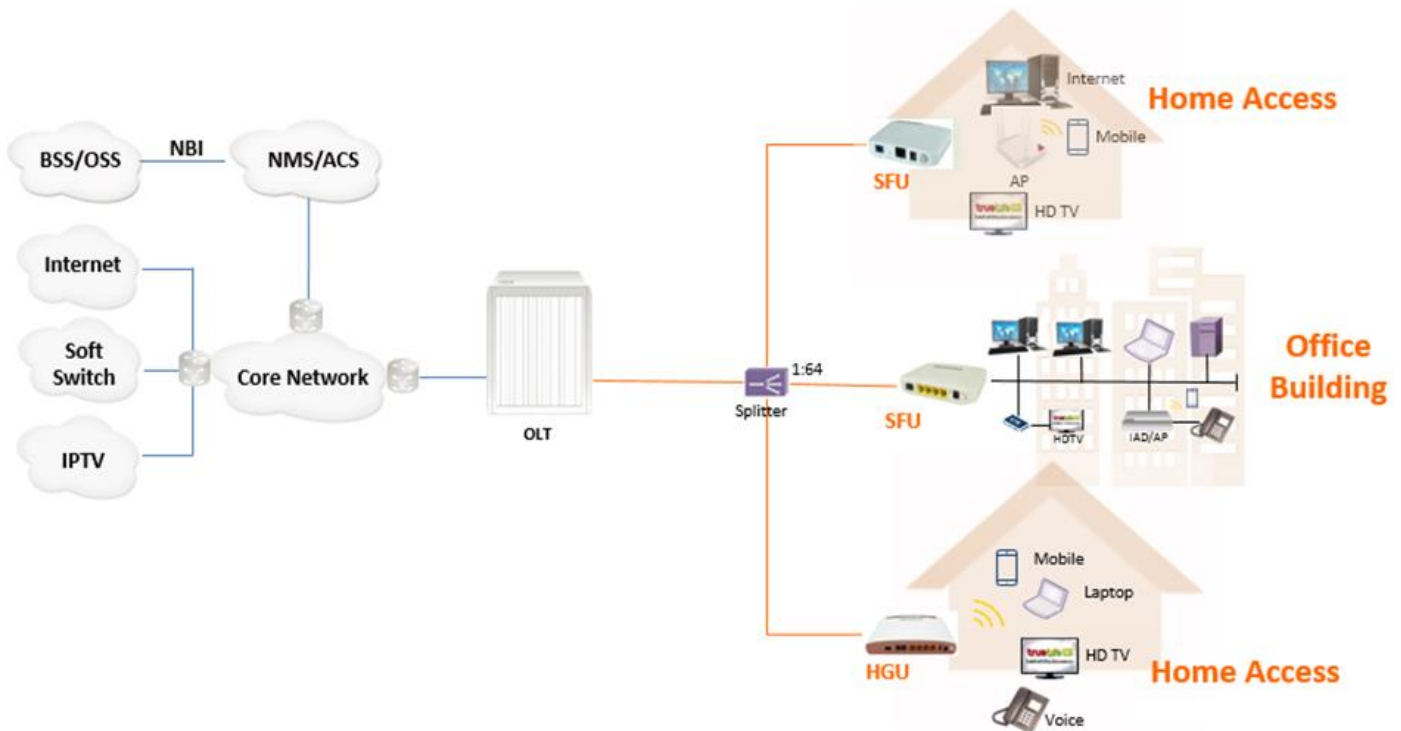


Highlights >>

- Cost-effective device** Cost-effective device with plastic Shell, small size with low power consumption
- High bandwidth** LAN interface up to 1000 Mbit/s for high-bandwidth service
- Flexible management** Support OMCI, web and Raisecom NMS.

Application >>

Figure.1 GPON Comprehensive Access Solution





Key Features >>

GPON	<ul style="list-style-type: none"> ● Support ITU-T G.984.x (1, 2, 3, and 4) and G.988. ● Support 8 T-CONTs and 32 GEMs. ● Support multiple authentication modes, such as SN, password, and LOID. ● Support DBA of the OLT. ● Support silence, with the time of 60s. ● Support AES-128 encryption. ● Support GEM mapping: VLAN, CoS, VLAN+CoS ● Support optical link diagnosis.
GE interface	<ul style="list-style-type: none"> ● Support 10/100 Mbit/s auto-negotiation and 1000 Mbit/s full duplex and flow control. ● Support statistics of unicast packets, multicast packets, and broadcast packets on the interface. ● Support configuring MTU to 1518–2030, with the MTU being 1518 by default. ● Support interface-based storm control over DLF packets, unknown multicast packets, and broadcast packets.
MAC Address Table	<ul style="list-style-type: none"> ● Support MAC addressing learning and aging. ● MAC address: 256
VLAN	<ul style="list-style-type: none"> ● Support IEEE 802.1Q. ● Support 4094 VLANs ● Support CTC VLAN modes: transparent transmission, Tag, Trunk, and mapping.
Loop detection	<ul style="list-style-type: none"> ● Support shutting down an interface and sending a link down trap when a loop occurs on the interface. ● Support restoring an interface and sending a link up trap when a loop is eliminated on the interface.
Multicast	<ul style="list-style-type: none"> ● Support IGMP Snooping. ● Support configuring multicast VLANs. ● Support multicast immediate leave. ● Support the capacity of multicast address to be 256.
Maintenance and management	<ul style="list-style-type: none"> ● Support OMCI management and ITU-T G.984/G.988 and China telecom standards. ● Support OLT management and Web management. ● Support interface Up/Down alarms, and Dying Gasp alarm. ● Support configuring and querying thresholds of optical module parameters.

Specifications >>

Physical Interface	<ul style="list-style-type: none"> ● Uplink: 1GPON Class B+ SC/APC ● Downlink: 1GE (RJ45)
Power parameters	<ul style="list-style-type: none"> ● Input: 100-240 VAC (50/60 Hz) ● Output: 12 VDC, 0.5 A
Power consumption	<ul style="list-style-type: none"> ● Full load: < 3 W
Environment conditions	<ul style="list-style-type: none"> ● Operating temperature: 0-50°C ● Storage temperature: -40 to 70°C

Compliances >>

Standards & protocols	<ul style="list-style-type: none"> ITU-T G.984/G.988 IEEE802.3 IEEE802.3u IEEE802.1Q VLAN 802.3ah OAM CE compliance UL compliance
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Dimensions

Weight

- Humidity: 10–90% (non-condensing)
- 90 mm (L) x73 mm (W) x 28.7 mm (H)
- < 0.2 kg

EMC Class B

RoHS compliance

Ordering Information >>

ISCOM HT803G-1GE (M)

GPON SFU with 1xGE LAN port, plastic shell.

*The ONTs can be ordered with European, American, or Brazilian adaptors.

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