

ISCOM HT806G-XGS-XE (U)

HT806G-XGS-XE is the SFU device for the next generation of 10 Gigabit passive optical networks. Supports downlink 10Gbps and uplink 10Gbps, with a transmission distance of up to 20km. Equipped with 1 SC/APC optical interface and 1*100M/1000M/2.5G/5G/10G BASE-T Ethernet interface and 1*10/100/1000 Mbit/s Ethernet interface, providing high bandwidth data services to ensure excellent data and high-definition video service experience. It is a high-quality choice for fiber optic network access.

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Highlights >>

Elegant styling

Elegant appearance, perfectly integrated into home decoration

Fiber access and 10 Gigabit port provide

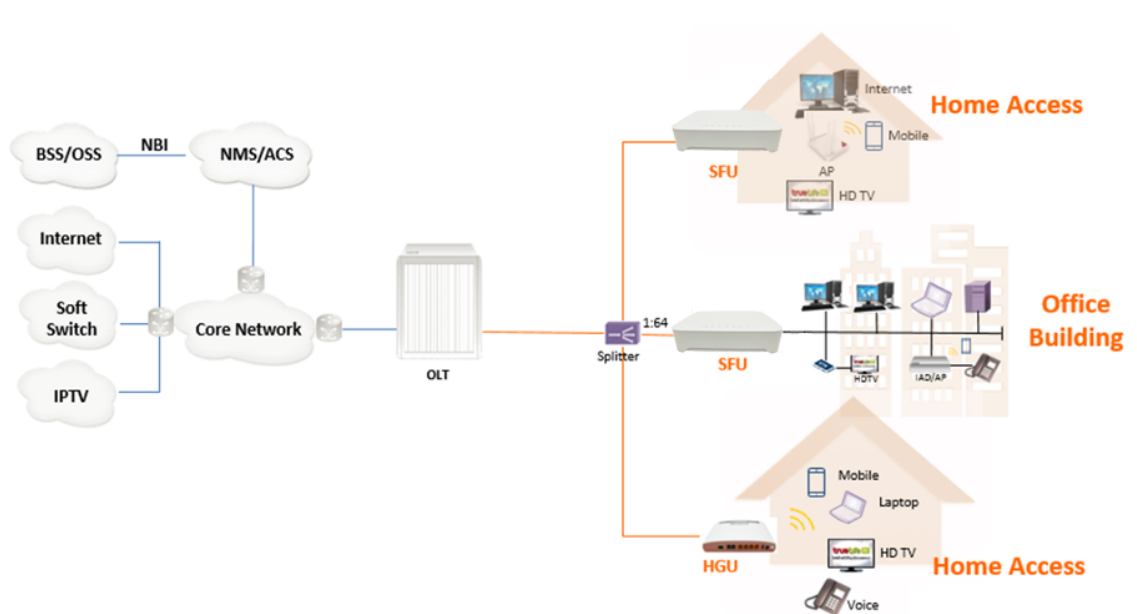
Up to 10Gbps LAN interface for high-bandwidth service with 1*10GE Ethernet interface (compatible with 1G/2.5G/5G/10G) and 1*GE Ethernet interface (compatible with 10/100/1000M)

Flexible management

Local web management.

Application >>

Figure.1 Applied in FTTH network



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Key Features >>

System registration and Certification	● Support the registration based on PON MAC address. ● Support the registration based on LOID. ● Support configuring automatic issuing of service parameters. ● Support DBA ● Support FEC checksum and transmission for downlink/uplink frames. ● Support encrypting/de-encrypting downlink/uplink frames. Support the AES mode. ● Support scheduling uplink frames based on priority.
PON Interface	● Support PON interface loopback. ● Support reporting optical power parameters. ● Support Dying Gasp alarms. ● Support loop detection.
Ethernet Interface	● MAC address learning ● IEEE 802.1Q ● 4094 VLAN IDs (ranging from 1 to 4094) ● CTC VLAN mode (transparent, tagging, and Trunk) ● Support interface-based storm control. Support configuring the rate of storm control over broadcast/unknown multicast/unknown unicast packets. ● Support rate limiting on the uplink/downlink direction of the Ethernet interface. The range is 64 kbit/s to 100 Mbit/s, with a granularity of 64 kbit/s. ● Port loop detection, detecting loops between UNI ports of ONU devices and between UNI ports of different ONU devices
Management Interface	● Support local and Telnet access. ● Support CLI management. ● The EMS can configure and manage the physical layer and link layer related to the PON interface for the NE.
Maintenance and System management	● Support configuring and saving parameters. ● Support remote device restart. ● Support restoring factory settings. ● Support remote online upgrade of the system software. ● Support remotely viewing the shown system information and ONU information.
Status	● Status of the PON interface ● Information about PON alarms ● PON statistics ● Traffic statistics on Ethernet interfaces

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Specifications of optical interfaces >>

Transmission rate	● Downlink: 10Gbps ● Uplink: 10Gbps
Optical module connector	● SC/APC
Optical physical conditions	● ITU-T G9807.1
Optical parameters	● Downlink: Wavelength: 1577 nm ● Uplink: Wavelength: 1270 nm

Specifications of Ethernet interfaces >>

Standard	● IEEE802.3 ● IEEE802.3au ● IEEE802.3x
Quantity and parameters of LAN interfaces	● 1 interface, 100/1000/2.5/5/10G BASE-T, RJ-45 ● 1 interface, 10/100/1000 Mbit/s, RJ-45 ● Auto-negotiation ● Full/Half duplex ● RJ-45 MDI/MDIX
Uplink	● XGS PON, SC/APC connector
Power adapter	● Output: 12 VDC, 1A
Power consumption	● Full load: < 12 W
User Conditions	● Operating temp: 0~45℃ ● Humidity: 10~95% non-condensing
Dimension and weight	● Dimension: 146mm*115mm*32mm ● Weight: ≤1Kg

Ordering Information >>

ISCOM HT806G-XGS-XE-05	U.00(GJ01)	XGS PON uplink, 1*100M/1000M/2.5/5/10G bit/s Ethernet interface, 1*10/100/1000 Mbit/s Ethernet interface, external American power adapter (12 VDC, 1A)
ISCOM HT806G-XGS-XE-07	U.00(GJ01)	XGS PON uplink, 1*100M/1000M/2.5/5/10G bit/s /s Ethernet interface, 1*10/100/1000 Mbit/s Ethernet interface, external European power adapter (12 VDC, 1A)

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