

ISCOM HT803-1GE GEAPON Optical Network Unit

ISCOM HT803-1GE is a client-side GEAPON ONU device fully integrating GEAPON and switch technology. It is designed to access residential and business subscribers into PON network with designed handsome plastic shell. The device can be directly placed at home of terminal user for FTTH solution, supporting data and IPTV services.

ISCOM HT803-1GE provides one single strand PON interface, 1*10/100/1000M Ethernet interface for accessing home gateway CPE or computer. Together with Raisecom OLT device, it provides full L2 switching functionality for high speed data, IP phone and IPTV services, can be remotely monitored and managed through OLT device and GUI Nview NNM system. The whole GEAPON system is ideal solution for carriers to deploy packet switching network with limited fiber resource.

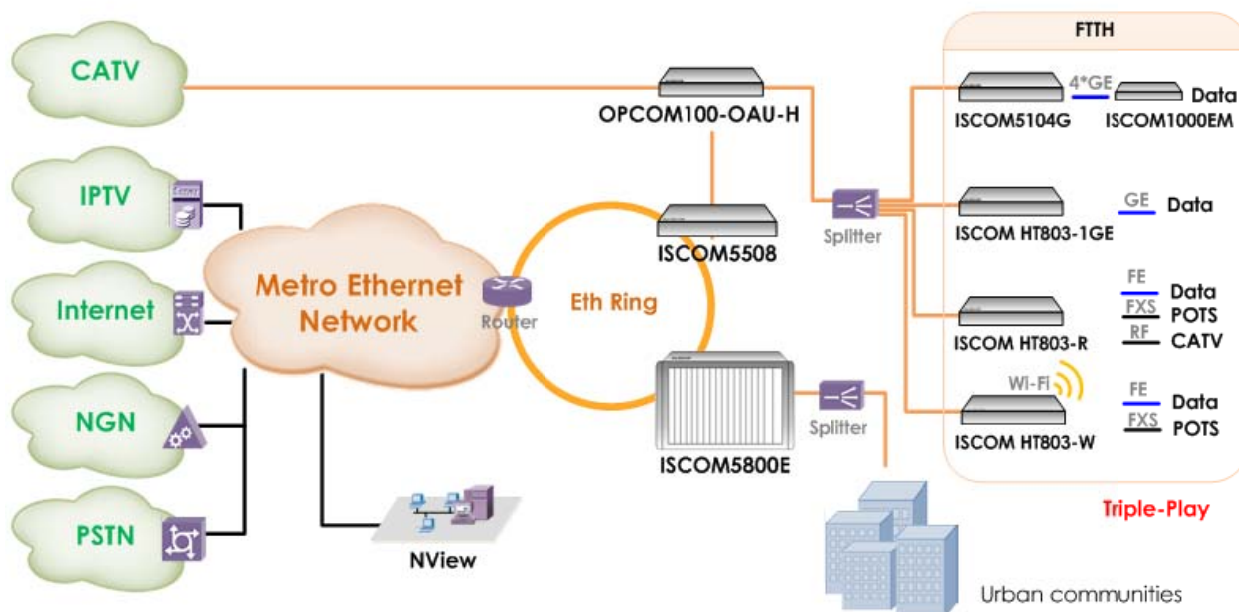


ISCOM HT803-1GE

Highlights

Plastic Shell ONU	Plastic Shell ONU with light weight, small size, low power consumption for FTTH Stand upright, lying placed, on wall hanging
Plug and Play	Based on automatic discovery and configuration of ONU "Plug and Play"
Config management	Support configuration upload, download, save, renew default, backup .etc
Link diagnostic	Optical link measurement and diagnostic on PON network. Diagnosed parameter: TX power, RX power, Temperature, P3V3 supply voltage, Transfer Distance, Warning threshold etc Dying gasp and alarm reporting. Support the power supply of optical module shutdown function
Multiform Management	Remote management through SNMP and Telnet, SNMP V1/V2 Raisecom GUI NMS user-friendly interface IEEE802.3 standard OAM, extended 802.3ah OAM ONU devices can be remotely managed by OLT
Performance Management	Support port performance stat. Performance component of GUI NMS support remotely monitored the entire network, monitor traffic flow stat. of Ethernet/PON port etc.

Typical Application



Key Features

Forwarding mode	Store and Forward
Max frame size	1518, 1596 Bytes
Security	Bi-directional AES-128 encryption, triple churning
ARP	Support ARP protocol
Storm control	Support storm control of broadcast
Flow control	IEEE802.3x in full duplex, back pressure in half duplex
Loopback detection	Loop back detection for avoiding storms caused
MAC address table	64 MAC addresses table capacity,
VLAN	IEEE802.1Q, 64 active VLAN, IEEE802.1ad
Port rate limitation	Upgradeable dynamic DBA algorithm Rate-limiting on Ethernet and PON interface, 32Kbps increment.
QoS & ACL	Up to 8 PRI queues Strict Priority forwarding(SP) scheme, Support L2 - L4 packet filtering, classify and temper
Multicast	IGMP Snooping V1/V2/V3, Transparent Multicast address table capacity 64

Specifications

Compliances

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GEPON Interface	1 GEPON interface, 1000BASE-PX20+ SC/PC connector 1310nm burst receive 1490nm continuous transmit Symmetric 1.25Gbps 20km distance Split ratio: Max. 1:64
Ethernet Interface	1*10/100/1000M auto-negotiation RJ45 connector Full/half duplex mode Auto MDI/MDI-X 100m distance
Serial port configuration	9600bps/8bit/none parity/1 stop bit
Dimension	105(W)*33(H)*92(D) mm
Weight	≤ 276.2g
Power supply Power consumption	External 12V power supply adapter ≤ 4W (at max load)
Working environment	Temp: 0~40 centigrade RH: 10~90% non-condensing
Storage environment	Temp: -40~70 centigrade RH: 5~95% non-condensing

Standards & protocols	IEEE802.3 IEEE802.3ah IEEE802.3u IEEE802.3ab IEEE802.3z IEEE802.3x IEEE802.1p IEEE802.1Q
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Ordering Information

ISCOM HT803-1GE	Optical Network Unit of GEPON system, provides 1*10/100/1000 Base T interface and 1*PON interface for uplink, external12V power supply adapter.
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Appendix Specification of PON interface

Optical Connector	Wavelength (nm)	Rx sensitivity (dBm)	Tx Power (dBm)	Typical distance (km)	Overload point (dBm)
SC/PC	1310	>-27	-1~+4	20	>-3dBm