# RAISECOM

**Raisecom Technology Co., Ltd.**

## ISCOM HT806G-WX

The ISCOM HT806G-WX is a 10G GPON HGU ONT. It offers 1 XG-PON uplink interface, 4 GE downlink interfaces, 1 FXS interface, 1 USB interface and supports dual-frequency WLAN. It can not only meet the requirements of users for high bandwidth access and multi-service convergence, but also has cloud access and VPN tunnel capabilities. ISCOM HT806G-WX adopts dual-core CPU technology, integrates data, voice, security, wireless and other functions, and can provide users with a comprehensive network access solution for gigabit access, widely used in the FTTH network.
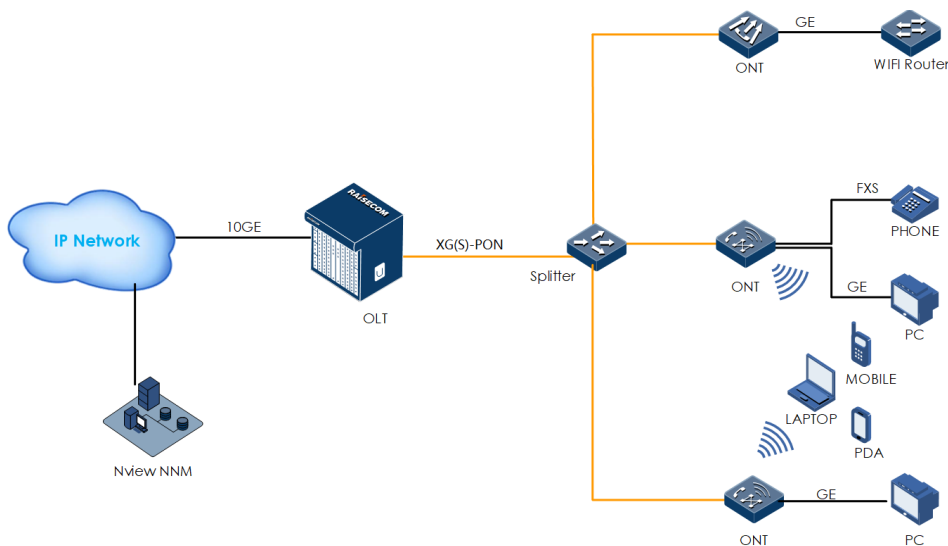
ISCOM HT806G-WX

## Highlights >>

| | |
|---|---|
| **Elegant appearance** | Plastic shell, low overall power consumption, and good heat dissipation |
| **Multiple service with gigabit access** | Integrating XG-PON ONU, WLAN AP, IAD, LAN switch, and router into one, providing users with integrated access services of data and video |
| **Dual-frequency WIFI 6** | 2.4G&5G dual-frequency WIFI6 with maximum theoretical bandwidth 1,800Mbps and easy mesh provide better user experiences |

## Application >>

**Figure.1 Applied in FTTH network offer wide service access**

## Key Features >>

| | |
|---|---|
| **XG-PON interface** | <ul><li>SC/APC, Class N1/N2a</li><li>Transmission rate: uplink 2.5 Gbit/s and downlink 10 Gbit/s</li><li>Central wavelength: uplink 1270 nm and downlink 1577 nm</li><li>Maximum Rx sensitivity: -28 dBm</li><li>Authentication: SN/Password/SN+Password</li><li>Support DBA</li><li>XGEM Port and T-CONT flexible mapping</li></ul> |
| **GE interface** | <ul><li>10/100/1000Base-T RJ-45 Ethernet interface</li><li>Ethernet interface auto-negotiation or manual configuration</li><li>MDI/MDIX auto-detection</li></ul> |
| **Voice interface** | <ul><li>DTMF dialup</li><li>SIP, H.248 and IMS-SIP</li><li>Multiple coding schemes: G.711 (μ-law and A-law), G.729 (A and B), G.726</li><li>Multiple classified services, such as CID, call waiting, call forwarding, call transfer, call switching, three-way calling and classified ringing</li><li>T.38 fax</li></ul> |
| **WLAN interface** | <ul><li>IEEE802.11 b/g/n/ac/ax</li><li>2.4GHz&5GHz dual band</li><li>MIMO: 2×2 2.4GHz & 2x2 5GHz</li><li>Multiple SSIDs</li><li>WIFI encryption: 64-bit and 128-bit WEP, AES, TKIP, and TKIP-AES</li><li>WIFI authentication: WPA-PSK and SPA2-PSK</li><li>Easy Mesh</li></ul> |
| **Multicast** | <ul><li>IGMP v1/v2</li><li>IGMP Snooping v1/ v2 and fast leave</li><li>IGMP Proxy</li></ul> |
| **QoS** | <ul><li>Priority mapping and traffic supervision (CAR)</li><li>Traffic shaping</li><li>Congestion management and priority management</li></ul> |
| **VPN** | L2TP/PPTP VPN |
| **DHCP** | DHCP server and DHCP client |
| **PPPoE** | PPPoE client |
| **Security** | <ul><li>Firewall</li><li>MAC address filter</li></ul> |

---

# RAISECOM

**Raisecom Technology Co., Ltd.**

- ACL
- Anti ARP attack and anti DDOS attack

| Maintenance and Management | |
|---|---|
| | • Network diagnosis: PING and traceroute |
| | • Managed via OMCI, TR069 and web |
| | • Interface Up/Down alarms and Dying Gasp |
| | • Information query of optical modules |
| | • Query of memory and CPU utilization rate |

## Specifications >>

| | |
|---|---|
| Physical Interface | Uplink: 1 XG-PON CLASS N1/N2a- SC/PC |
| | Downlink: 4 GE (RJ45)+ 1 FXS (RJ11)+1 USB 2.0 + 2.4G&5G dual-frequency WLAN |
| Power Adapter | Input: 100–240 VAC (50/60 Hz) |
| | Output: 12 VDC |
| Power consumption | Full load: ＜24W |
| User Conditions | Operating temp: 0~45˚C |
| | Storage temp: -25~70˚C |
| | Humidity: 10~90% non-condensing |
| Dimensions | 184 (L) × 129 (W) × 38 (H) mm3 |
| Weight | ≤ 0.5Kg |

## Compliances >>

| | |
|---|---|
| Standards & protocols | ITU-T G.987 |
| | G.711, G.729, G.723.1 |
| | T.38 |
| | RFC3261 |
| | RFC3550/3551 |
| | RFC 3261, RFC2543 |
| | RFC3550/3551 |
| | IEEE802.11 b/g/n/ac/ax |
| | IGMP v1/v2 |
| | CE compliance, EMC Class B |

## Ordering Information >>

| ISCOM HT806G-WX | XG-PON ONT with 1 XG-PON uplink (SC/APC), 4 GE, 1 FXS, 1 USB 2.0, Dual band 802.11b/g/n/ac/ax (MIMO 2*2) WLAN |
|---|---|
| | * The ONT can be ordered with European and American power adaptor |