



iGATE GW020-H

GPON ONT

iGate GW020-H is a 2-ports ONT Gigabit Ethernet device that supports IEEE 802.11a/b/g/n/ac. The device uses 2.4GHz and 5GHz dual band Wi-Fi, providing high-speed connectivity for connected devices.

It fully meets GPON ITU-T G.984 and is OLT vendor independent. The product is optimized for using in household or small offices.

iGate GW020-H is a part of GPON total solution which is developed by VNPT Technology, included: ONT, OLT and ONE Telco Platform management.

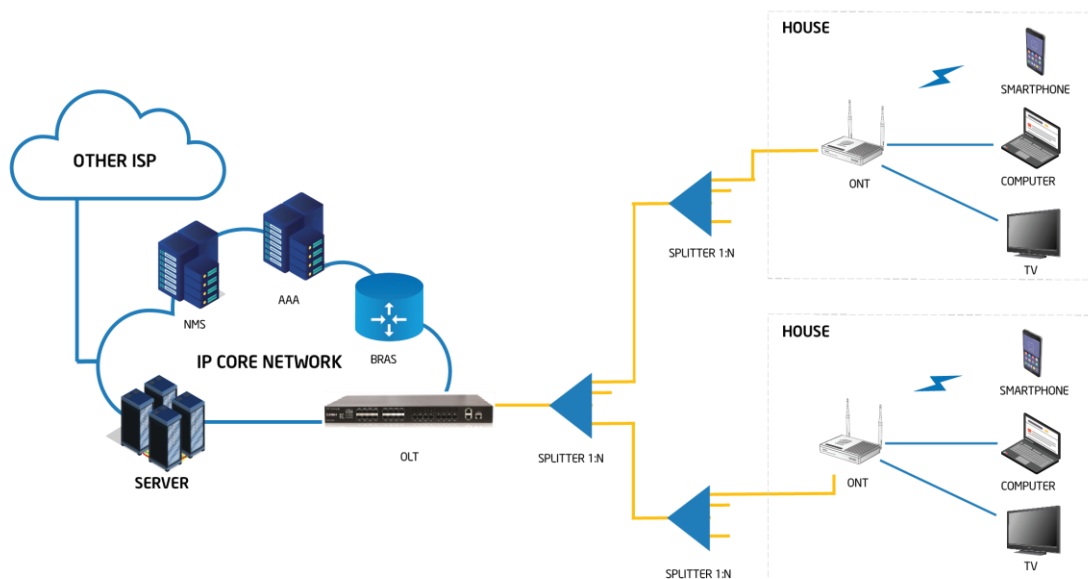


PRODUCT HIGHLIGHTS

- 2-ports LAN 1Gbps
- Wi-Fi Dual-band 802.11a/b/g/n/ac
- Managed by ONE Telco Platform
- OLT vendor independent

TYPICAL DEPLOYMENT MODELS

iGate GW020-H is suitable to deploy FTTx GPON such as FTTH, FTTB, FTTC, FTTN which is provided Internet, Voice over IP (VoIP), Video services to the end-user (SOHO).



FEATURES

GPON

- Compliant with ITU standards:
 - ITU-T G.984.3
 - ITU-T G.984.4
- 8 queues per T-CONT
- Physical Layer OAM(PLOAM) and OMCI

- Deactivation/Activation and re-register of the ONT

Wi-Fi

- Wi-Fi 802.11ac speed up to 867Mbps makes it ideal for bandwidth-intensive or interruption sensitive applications like online

gaming, Internet calls and even the HD video streaming

- Wi-Fi enable/disable is simpler with Wi-Fi ON/OFF button

Ethernet

- 10/100/1000BASE-T interface
- Auto-negotiation of rate and duplex mode
- Ethernet port auto-negotiation or manual configuration with media dependent interface crossover (MDI/MDIX)
- MAC Address Learning
- VLAN tagging/detagging per Ethernet port and marking/remarking of 802.1p
- VLAN stacking (Q-in-Q) and VLAN translation
- Support IGMPv2/v3 snooping

Security

- NAT and SPI Firewall
- MAC / IP / Packet / Application / URL Filtering

- Denial of Service (DoS), SYN Flooding
- Firmware digital signature

Software

- System information: Software version, Connection Status and Packet Statistics
- WAN connection type: Support PPPoE, Dynamic and Static IPoE, Bridge mode and Multi Wan connection simultaneously, Internet Protocol and Advanced Features: Support IPv4 and IPv6, DHCP (Dynamic Host Configuration Protocol), DHCP relay, DHCPv6, NAT (Network Address Translation), DLNA Server, USB Storage, Printer Server, Static Routing, VPN (PPTP, L2TP, IPsec) Pass through, Interface Grouping, VLAN tag/untag on Ethernet Port, DNS Relay, DDNS, IGMP snooping v2/v3
- Virtual server, DMZ, ACL (Access Control List), UPnP, NAT and SPI

Firewall, MAC / IP / URL Filtering, Denial of Service (DoS), QoS, (802.1p), Support 32 T-CONT/256 GEM

OMCI

- OMCI configuration management (including the GEM port, T-CONT and VLAN configurations)
- OMCI query management (including the device information and Ethernet port status)

- OMCI alarming

Device Maintenance

- Local service configuration, and software upgrade on the Web page
- Device management, and software upgrade through OMCI
- Query of the information about the ONT optical transceiver
- Reporting the Dying_Gasp alarm when the ONT is powered off

TECHNICAL SPECIFICATIONS

Interface

- LAN 2 x 10/100/1000 Base-T
- Optical 1x SC/APC
- USB 1x USB 2.0

GPON

- Downlink speed 2.488 Gbps
- Uplink speed 1.244 Gbps
- Optical class Laser Class B+
- Receive (Rx) 1490 nm
- Transmit (Tx) 1310 nm

- Tx Power 0.5dBm ÷ 5dBm
- Rx Sensitivity -28dBm ÷ 8dBm

Wi-Fi

- Standard IEEE 802.11 a/b/g/n/ac
- Frequency Band 2.4GHz: 2.400GHz ÷ 2.4835GHz, OBW = 20/40Mhz, Auto Channel Selection
Band 5GHz: 5170GHz ÷ 5.815GHz, OBW = 20/40/80Mhz,

- SSID Auto Channel Selection
8 SSID, 4 per 2.4GHz and
4 per 5GHz
- Security 64 / 128 bit WEP, WPA/
WPA2, WPA-PSK / WPA2-
PSK encrypted security,
Wireless MAC Filtering,
Hidden SSID, WPS
- Antenna 5dBi, MU MIMO 2x2
- Throughput up to 867 Mbps
- CCU 32 CCUs on each band
2.4GHz & 5GHz


Power


- Power Supply 12V-2A, feed through an
external AC/DC adapter
- Power Consumption < 8W

Others

- Dimension 191 x 35 x 157 mm
- Weight ~ 300g
- Operating Temperature 0°C ÷ 40°C
- Operating Humidity 5% ÷ 90%
non-condensing

CUSTOMER CARE & TECHNICAL SUPPORT CENTRE

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