iGATE GW020

GPON ONT

iGate GW020 is an optical network terminal (ONT) designed for home users and small office and home office (SOHO) users.

As an ONT, the **iGate GW020** provides more convenient and efficient in remote management function. **iGate GW020** is a component based on the GPON total solution including: ONT, OLT and ONE Telco Platform management.
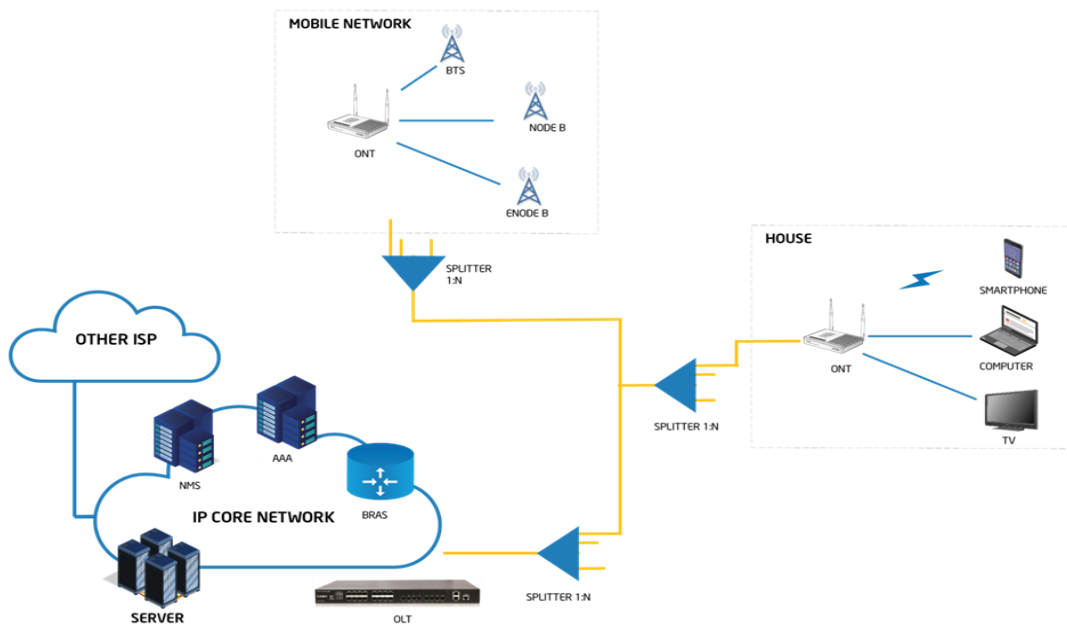

PRODUCT HIGHLIGHTS

- 1-port LAN 1Gbps and 1-port LAN 10-100Mbps

- Wi-Fi 802.11b/g/n

- Support both internet protocol IPv4 and IPv6

- Management by ONE Telco Platform

- OLT vendor independent

TYPICAL DEPLOYMENT MODELS

iGate GW020 is suitable to deploy FTTx GPON to provide Internet and Video services to the end-user (SOHO).

FEATURES

GPON

- Compliant with ITU standards:

    - ITU-T G.984.3

    - ITU-T G984.4

- 8 queues per T-CONT

- Physical Layer OAM(PLOAM) and OMCI

- Deactivation/Activation and re-register of the ONT

Ethernet

- 10/100/1000BASE-T interfaces

- Auto-negotiation of rate and duplex mode

- Ethernet port auto-negotiation or

manual configuration with media dependent interface crossover (MDI/MDIX)

- VLAN tagging/detagging per Ethernet port and marking/remarking of 802.1p

- VLAN stacking (Q-in-Q) and VLAN translation

- Support IGMPv2/v3 snooping

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, Support Dual Stack (IPv4 and IPv6) enable by default, DHCP (Dynamic Host Configuration Protocol), DHCP relay, DHCPv6, NAT (Network Address Translation), DLNA Server, USB Storage, Printer Server, Static Routing, RIP v1/v2, VPN(PPTP, L2TP, IPSec) Pass-through, Interface Grouping, VLAN translation, VLAN tagging/detagging per Ethernet port, Virtual switch based on 802.1Q VLAN, DNS Relay, DDNS, IGMP Multicast, Virtual server, DMZ, ACL(Access Control List), UPnP

Security

- MAC / IP / URL Filtering

- NAT and SPI Firewall

- Denial of Service (DoS)

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   01 x 10/100 Base-T
-           01 x 10/100/1000 Base-T
- Optical   1x SC/APC
- USB   1x USB2.0

Wi-Fi
- Standard   IEEE 802.11 b/g/n
- Frequency   Band 2.4GHz: 2.400 - 2.4835GHz, OBW = 20/40Mhz, Auto Channel Selection
- SSID   4 SSID
- Security   Supports 64 /128 bit WEP, WPA/ WPA2, WPA-PSK / WPA2-PSK encrypted security, Wireless MAC Filtering, Hidden SSID, WPS
- Antenna   5dBi, MU MIMO 2x2
- CCU   30 CCUs

GPON
- Downlink speed   2.488Gbps
- Uplink speed   1.244Gbps
- Optical class   Laser Class B+
- Receive (Rx)   1490nm
- Transmit (Tx)   1310nm
- Tx Power   0.5dBm ÷ 5dBm
- Rx Sensitivity   -28dBm ÷ 8dBm

Power
- Power supply   12V-1.5A, feed through an external AC/DC adapter
- Power consumption   < 8W

Other
- Dimension   191 x 35 x 157mm
- Weight   ~ 300g
- Operating Humidity   10% ÷ 90% Non- condensing
- Operating Temperature   0°C ÷ 40°C

CUSTOMER CARE & TECHNICAL SUPPORT CENTRE

Address: 1st floor, VNPT Technology Building, No. 124, Hoang Quoc Viet Str., Cau Giay Dist., Hanoi, Vietnam

Telephone: +84.24.3750.6666 (24/7)

Email: support@vnpt-technology.vn