



iGATE GW040

GPON ONT

iGate GW040 is a 4-ports ONT Gigabit Ethernet device that supports IEEE 802.11b/g/n. The device uses 2.4GHz providing high-speed connectivity for connected devices.

It fully meets GPON ITU-T G.984 and OLT vendor independent. The product is suitable for use in household or small offices. **iGate GW040** is a part of GPON total solution, which is developed by VNPT Technology, included: ONT, OLT and ONE Telco Platform management.

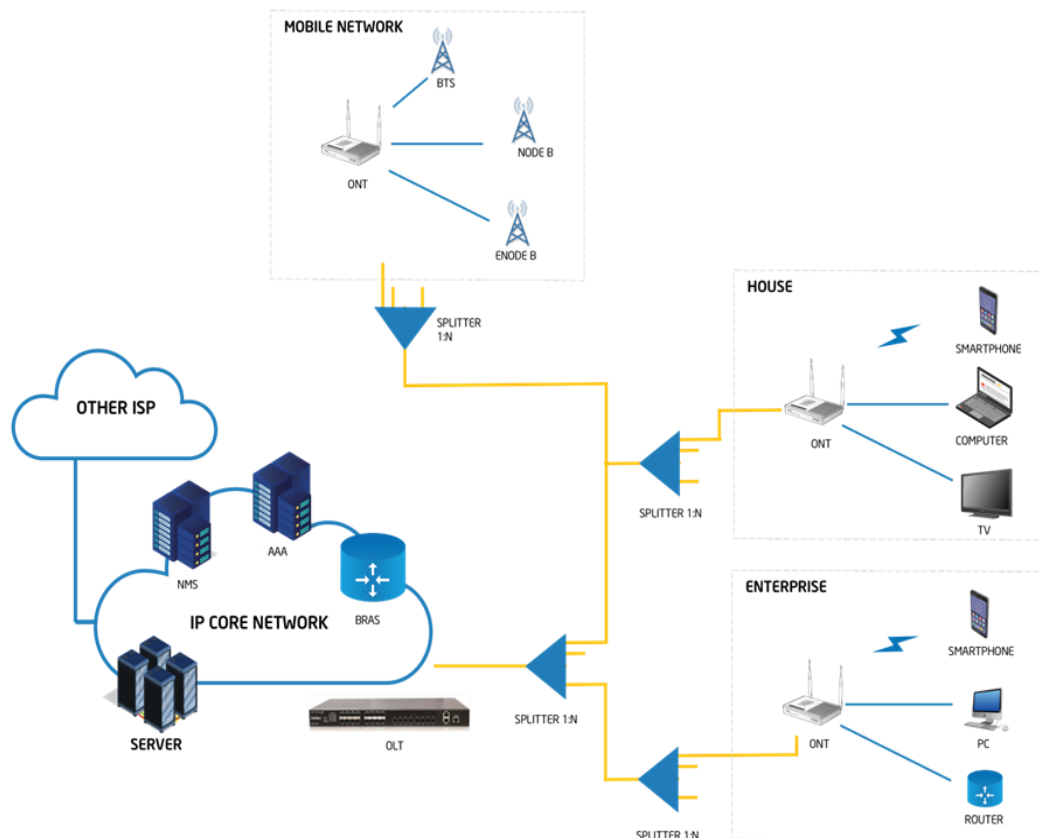


PRODUCT HIGHLIGHTS

- 4-ports LAN 1Gbps
- Wi-Fi 802.11b/g/n
- Management by ONE Telco Platform
- OLT vendor independent

TYPICAL DEPLOYMENT MODELS

An **iGate GW040** 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.984.4
 - ITU-T G.984.3
- 8 queues per T-CONT
- 8 T-CONT/128 GEM

- 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)
- 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

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, DHCP relay, DHCPv6, NAT,

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, UPnP, NAT and SPI Firewall, MAC / IP / URL Filtering, Denial of Service (DoS), QoS, (802.1p)

Security

- MAC / IP / Packet / Application / URL Filtering
- NAT and SPI Firewall
- Denial of Service (DoS)

Wi-Fi

- Wi-Fi 802.11n speed up to 300 Mbps 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

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 4x 10/100/1000Base-T
- Optical 1x SC/APC
- USB 1x USB 2.0

Wi-Fi

- Standard IEEE 802.11b/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
- Throughput Up to 300Mbps
- 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 225x38x140 mm
- Weight ~ 320g
- Operating Humidity 5% ÷ 90%
Non- condensing
- Operating Temperature 0°C ÷ 40°C

CUSTOMER CARE & TECHNICAL SUPPORT CENTRE

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