



# iGATE G010

## COST EFFECTIVE GPON ONT

**iGate G010** is designed to deliver services in a fiber to the home environment as Single Family Unit (SFU) mode and converting it to user interfaces that directly connect to subscriber devices.

The ONT is compliant with ITU-T G.984 supporting 1.244Gb/s upstream and 2.488Gb/s downstream line rate.

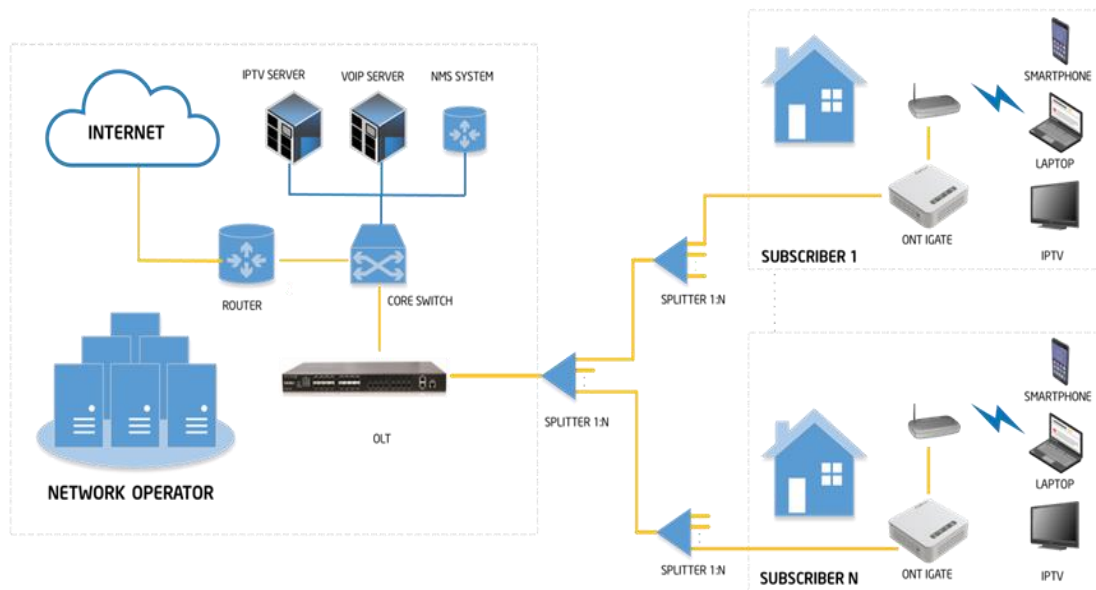


### PRODUCT HIGHLIGHTS

- The full-service access capability featuring high bandwidth, high performance, high reliability, and easy operation, administration and maintenance fulfill the continuous change of customer requirements, protects legacy investments, and enhances the value of operators' networks
- Firmware upgrade and device management via OLT
- Software upgrade on the Web

## TYPICAL DEPLOYMENT MODELS

An **iGate G010** is suitable to provide Internet, television and Data service to the end-user.



## FEATURES

### GPON

- Compliant with ITU standards:
  - ITU-T G.984.4
  - ITU-T G.984.3
- 32 T-CONT / 256 GEM port
- 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

## 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

## Security

- 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

### Interfaces

- LAN 1x 10/100/1000BASE-T (RJ-45)
- Optical 1x SC/APC

### Network Specifications

- Ethernet IEEE 802.3, 802.3u, 802.1p, 802.1q VLAN tagging
- GPON Downlink speed: 2.488Gbps

Uplink speed: 1.244Gbps

Optical laser class: Laser Class B+

Receive (Rx): 1490nm

Transmit (Tx): 1310nm

Optical Tx power:

0.5dBm ÷ 5dBm

Optical Rx sensitivity:

-8dBm ÷ 28dBm

## Power

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

## Other

- Dimension 80 x 80 x 21.5mm
- Weight 85g
- Operating humidity 5% ÷ 90%  
Non - condensing
- Operating temperature 0°C ÷ 45°C

## CUSTOMER CARE & TECHNICAL SUPPORT CENTRE

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