

FIBERONE OLT168-G08E

8 PORT MINI GPON OLT

FiberOne OLT168-G08E mini 1U pizza box OLT in 1U form factor, with 8 PON ports provides up to 1024 FTTx subscribers with 8 ITU-T G.984 GPON fiber links.

The device is optimized for small and medium deployment: Building, campus, hotel, resort, etc.

FiberOne OLT168-G08E is fully compliant with ITU-T G.984.x standards, can interwork with different types of ONT from multi vendors.

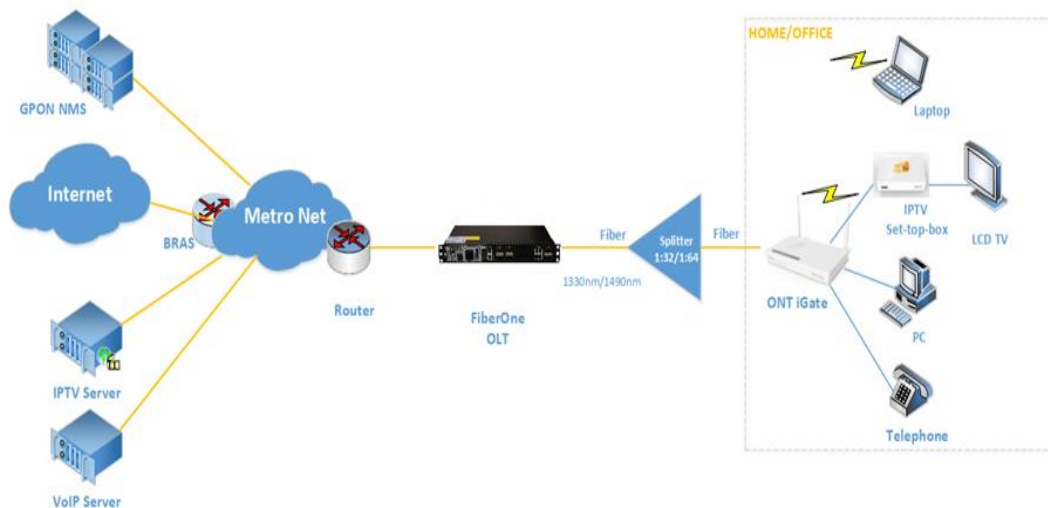


PRODUCT HIGHLIGHTS

- Flexible FTTx application: 1U design makes installation easier thanks to its small and compact design, minimizing operators' investments, suitable for ISPs to deploy GPON based FTTx network
- Advanced triple-play and mass deployment functionalities: QoS, security, multicast, etc.
- Full management with VNPT Technology ONE Telco Platform
- High reliability with redundant links and AC/DC power supplies

TYPICAL DEPLOYMENT MODELS

FiberOne OLT168-G08E is suitable to deploy GPON such as FTTH, FTTB, FTTN, FTTC provide Internet, Voice over IP (VoIP) and Data services to the end-user.



FEATURES

GPON

- Compliant with ITU standards:
 - ITU-T G.988
 - ITU-T G.984.4
 - ITU-T G.984.3
- Each PON port supports up to 128 GPON ONT
- Support of several types of bandwidth profile T-CONT: Fixed, Assure, No Assure, Best Effort
- Support of multiple ONT authentication mechanisms: Serial Number, Password, Serial Number + Password, Loid, LoidPassword
- ONT information report
- ONT UNI port status check
- ONT UNI port MAC address filtering
- ONT UNI port status check
- PON port and ONT RSSI related attributes alarm
- ONT capability set query
- SFU UNI port status query
- ONT remote batch upgrade

- Loop detection supporting remote ONT

QoS

- Rate-limit
- Queue mapping
- Priority scheduling: SP / WRR / SP + WRR

Ethernet

- 4K VLAN
- Support of QinQ based on port or service flow
- Support of VLAN add, remove, translate and transparent per ONU service flow based
- IEEE 802.1D Spanning Tree Protocol (STP)
- IEEE 802.1s Rapid Spanning Tree Protocol (RSTP)
- Bi-directional bandwidth control
- Static and LACP (Link Aggregation Control Protocol) aggregation groups
- Port mirrors and service mirrors
- Port SFP information reading
- Port RSSI configuration and alarm
- Multicast: IGMP v1/v2/v3, IGMP

snooping/Proxy, static multicast, inner-VLAN

- PPPoE+

Layer 3

- DHCP: relay, snooping, Option 82
- ARP Agent
- Routing: Static routing, RIP, OSPF, BGP

Security

- User Security: Port and ONU isolation; MAC filtering; Binding among IP, MAC, VLAN and port
- Device Security: anti-DoS attacks; user classification to prevent unauthorized users from illegal invasion
- Network Security
 - Port broadcast / multicast packet suppression
 - Flow classification and flow definition based on: source / destination MAC address, VLAN, 801.1p, ToS, DiffServ, source / destination IP (IPv4/IPv6), TCP/UDP port number, Protocol
 - ACL layer 2-7
 - Mirroring, redirection, statistics,

filtering flow strategy

Network Management

- Management based on serial port (serial)
- Management based on the command line interface (CLI)

- Network management of NMS based on SNMP v1, 2, 3

TECHNICAL SPECIFICATIONS

Interface

- PON 8x GPON SFP
- Uplink 4x 10 GE SFP+
4x 1GE SFP
- Management 1x 10/100Base-T (RJ-45)
1x Console (RJ-45)
1x USB2.0

Power supply

- Power AC/DC dual power


- DC Input -72V ÷ -40.5V
- AC Input 100V ÷ 240V
47Hz ÷ 63Hz

Other

- Dimension Standard 1U
- Weight ~8kg
- Operating Temperature -20°C ÷ 60°C
- Operating Humidity 5% ÷ 90%
Non- condensing

CUSTOMER CARE & TECHNICAL SUPPORT CENTRE

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