

FD1608Y-B1M

8PON PORTS GPON OLT Module



High temperature



Modular



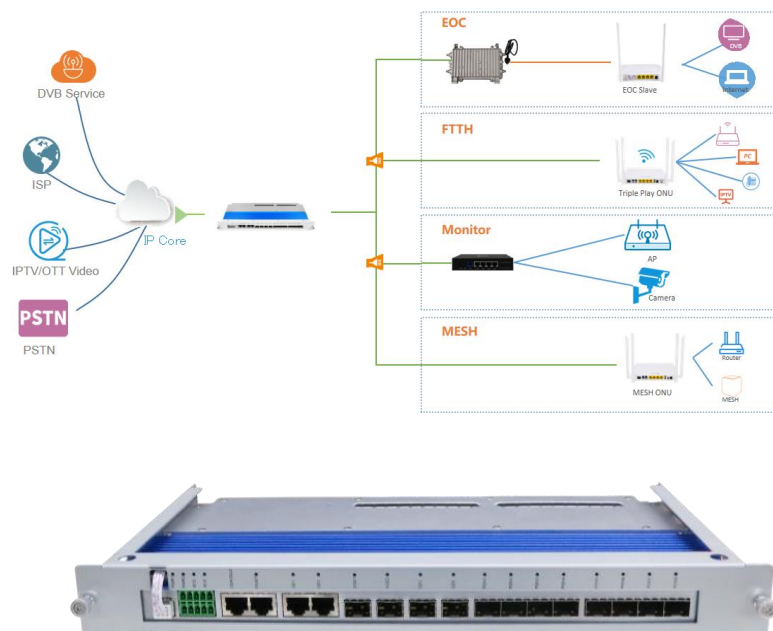
Layer3 Switching



Dedicated Chip

Brief Views

FD1608Y-B1M GPON OLT module is an outdoor local end module. The product is made of cast aluminum shell, which has good heat dissipation and shielding effect. The device is flexible in use and easy to deploy, meeting the performance requirements of the outdoor environment.



Functional Feature

GPON Function

- ITU-T G.984/G.988 standard
- Support OMCI protocol
- T-CONT DBA
- GEMPORT traffic
- ONU auto discover
- Ranging function
- Downstream data encrypted
- Type-B protection switching function

Layer 2 Switching Function

- Access/Trunk/Hybrid L2 access mode
- MAC address filter
- VLAN filter function
- VLAN transform
- Smart QinQ
- L2 port mirror
- Static MAC address
- MAC address learning/aging
- MAC address limitation
- Static/Dynamic LACP
- ACL
- RSTP

Layer 3 Switching Function

- Static routing
- RIP/OSPF
- DHCP server/DHCP relay/DHCP snooping
- ARP proxy

Multicast Function

- IGMP snooping
- IGMP V1/V2/V3
- Multicast VLAN translation
- Multicast QOS
- IGMP protocol statistics

QOS Guarantee

- Traffic control function
- Congestion avoidance function
- Queue scheduling function
- COS Priority function
- ACL function

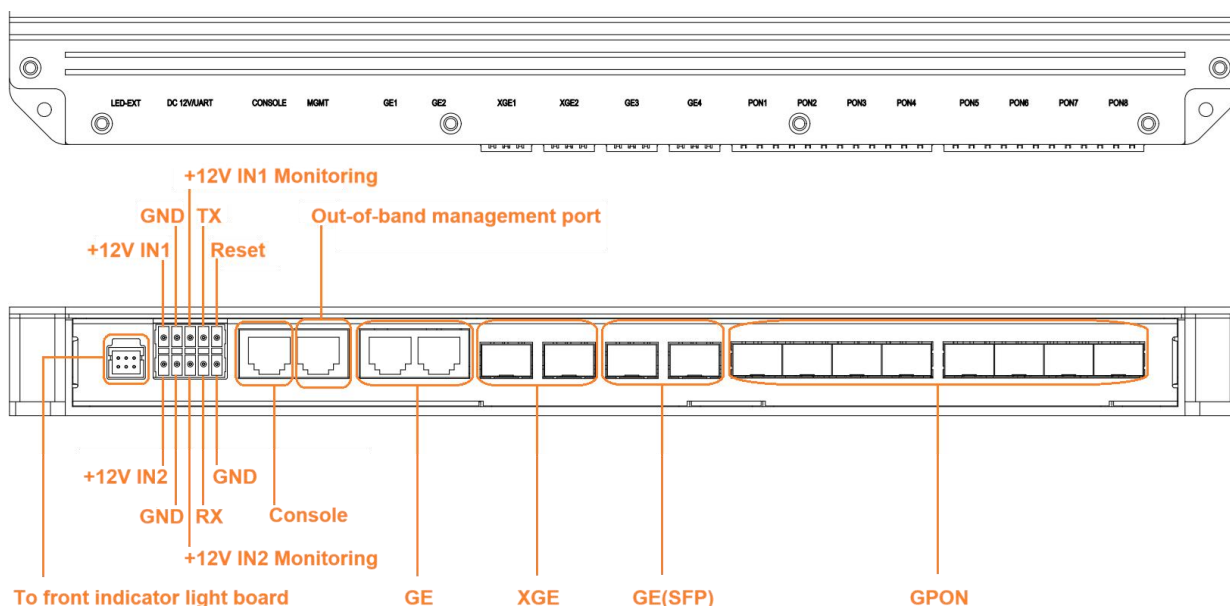
Management Function

- CLI/WEB/Telnet/SSH/MQTT
- Performance Management
- Alarm Management
- Security Management

Maintenance Function

- Device log
- Device upgrade
- Fault diagnose function
- Condition monitoring function

Product Interface



Product Specification

Mechanics

Management Rack	1U 19-inch standard box
Dimensions	385(L)mm*195mm(W)*44mm(H)
Weight	2KG

Hardware

Uplink Port		2* 10/100/1000 auto-negotiation Ethernet port
		2*SFP
		2*SFP+
PON Port	Quantity	8
	Physical interface	SFP slot
	Interface type	GPON: ITU-TG.984.2 Class B+/Class C+
	Max splitting ratio	GPON: 1:128
Management Port		1 100/1000BASE-Tx out-band Ethernet port 1 CONSOLE local management port
PON Port attribute	Transmission distance	20KM
	Port rate	GPON: Downstream: 2.5Gbps Upstream: 1.25Gbps
	Wavelength	Forwarding: 1490nm Receiving: 1310nm
	Interface type	SC/UPC
	Fiber type	9/125μm SMF (Single Mode Fiber)
	Light transmission power	Class B+: +1.5 ~ +5dBm Class C+: +3 ~ +7dBm
	Receiving sensitivity	Class B+: -28dBm Class C+: -30dBm
	Saturation power	Class B+: -8dBm Class C+: -12dBm
Backplane Bandwidth		74G

Power supply

12VDC

Environment

Working temperature	-40~65℃
Storage temperature	-40~85℃
Ambient humidity	5 ~ 90% (Non-condensing)

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