

FD1616S-B2

16PON PORTS GPON OLT



Dedicated Chip



USB Interface



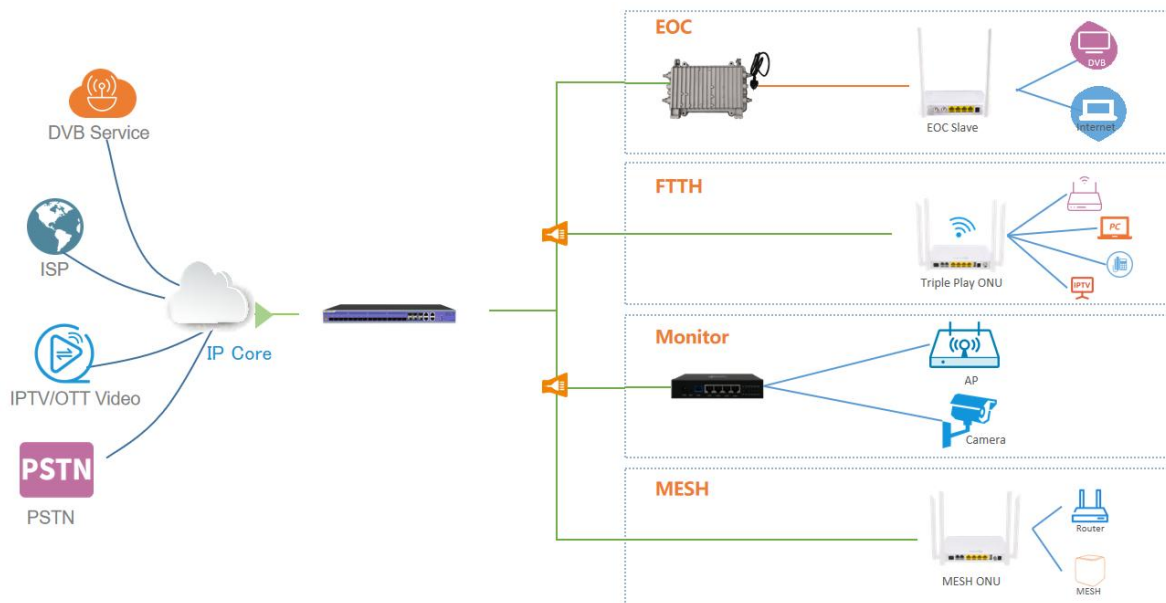
Back Battery Unit



Layer3 Switching

Brief Views

GPON OLT FD1616S-B2 completely meet relative standard of ITU G.984.x and FSAN, which is 1U rack-mounted device with 1 USB interface, 2 uplink Ethernet ports, 2 uplink SFP ports, 4*10GE uplink ports and 16 GPON ports. Each GPON port supports the splitting ratio of 1:128, The GPON system supports up to 2048 terminal connections.



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

Layer 2 Switching Function

- Access/Trunk/Hybrid L2 access mode
- Support 30K MAC address
- Support 4094 VLANs
- VLAN filter function,VLAN transform
- L2 port mirror
- Support 1024 static MAC address
- MAC address learning/aging
- MAC address limitation
- Static/Dynamic LACP
- ACL
- RSTP

Layer 3 Switching Function

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

Multicast Function

- IGMP snooping
- IGMP V1/V2/V3
- Multicast VLAN translation

QOS Guarantee

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

Reliability Function

- 1+1 power modules
- Fan speed automatically adjust

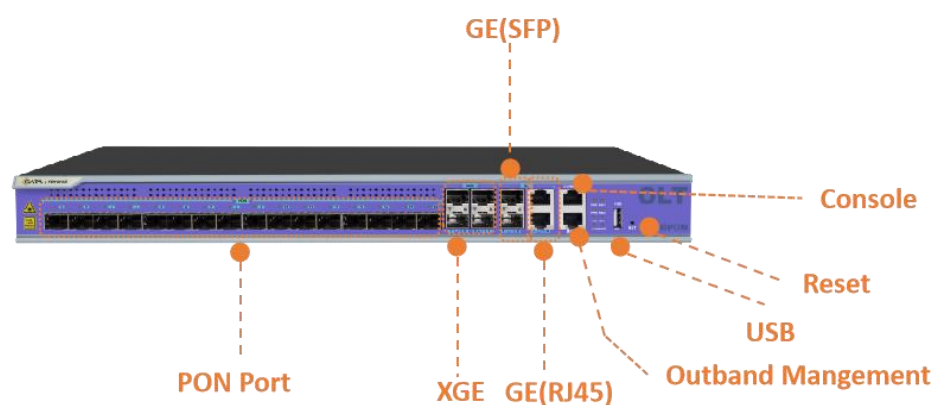
Management Function

- 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	440mm(L)*276mm(W)*44mm(H)
Weight	4.50Kg

Hardware

Uplink Port	2 10/100/1000M auto-negotiation Ethernet ports			
	2 SFP interfaces			
	10-Gigabit	4 SFP+ interfaces		
PON Port	Quantity	16		
	Physical interface	SFP slot		
	Interface type	GPON: ITU-TG.984.2 Class B+/Class C+/Class C++/Class C++++		
	Max splitting ratio	GPON: 1:128		
Management Port		1 100/1000BASE-Tx out-band Ethernet port 1 CONSOLE local management port		
USB Port		1 USB interface (It's used to backup configuration, upgrade program, and record log information)		
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	ClassC++++:+7.5dBm~+10.5dBm
	Receiving sensitivity	Class B+: -28dBm	Class C+: -30dBm	ClassC++++: -30dBm
	Saturation power	Class B+: -8dBm	Class C+: -12dBm	ClassC++++: -10dBm
Backplane Bandwidth		148G		

Power supply

AC	100V ~ 240V, 47~63Hz
DC	-40V ~ -72V

Environment

Working temperature	-15 ~ 50℃
Storage temperature	-40 ~ 85℃
Ambient humidity	5 ~ 90% (Non-condensing)

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