

# FD1602S-B1

## 2PON PORT GPON OLT



Dedicated Chip



LED screen



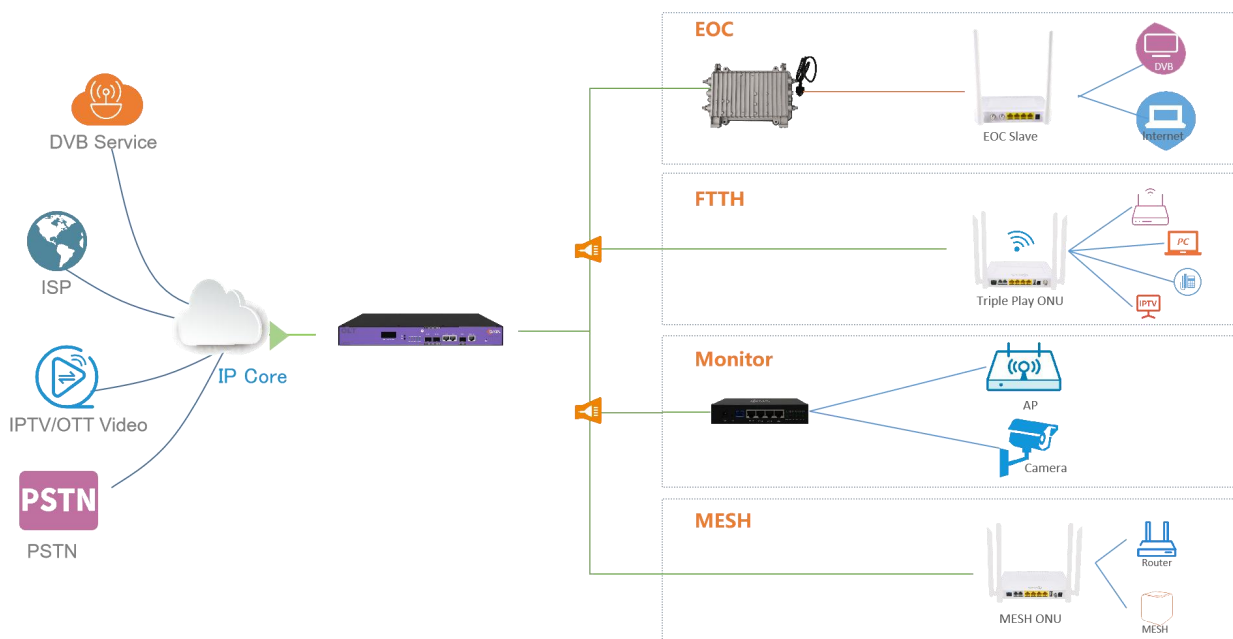
WIFI management



High Speed CPU

### Brief Views

GPON OLT FD1602S-B1 completely meet relative standard of ITU G.984.x and FSAN, the device with 2 uplink Ethernet ports and 1 10 Gigabit uplink port and 2 GPON port. Each GPON port supports the splitting ratio of 1:128, The GPON system supports up to 256 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 64K MAC address
- Support 4094 VLANs
- VLAN filter function,VLAN transform
- L2 port mirror
- MAC address learning/aging

### Other

- Display screen can show the IP address, the number of ONU terminals, etc
- Optional support for BBU

### Multicast Function

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

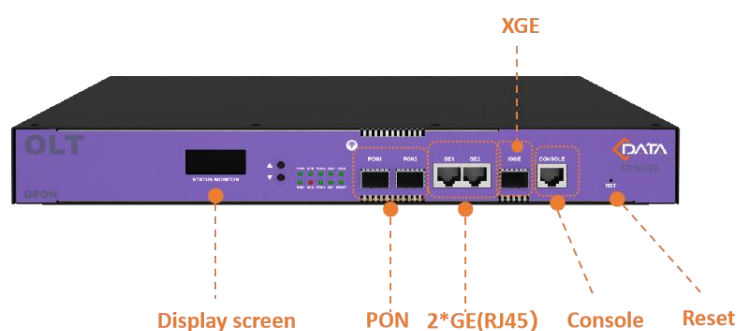
### Management Function

- CLI/WEB/Telnet/SSH/MQTT
- Performance Management
- Alarm Management
- Security Management
- Wifi access, direct mobile phone wifi login device management

### Maintenance Function

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

## Product Interface



# Product Specification

## Mechanics

Dimensions	360mm(L)*193mm(W)*44mm(H)
Weight	1.70Kg

## Hardware

Uplink Port	2*10/100/1000M auto-negotiation Ethernet ports				
	1*10 Gigabit uplink port				
PON Port	Quantity	2			
	Physical interface	SFP slot			
	Interface type	GPON: ITU-TG.984.2 Class B+/Class C+/Class C++			
	Max splitting ratio	GPON: 1:128			
Management 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	Class C++: +4.5dBm~+10dBm	Class C+++:+7.5dBm~+10.5dBm
	Receiving sensitivity	Class B+: -28dBm	Class C+: -30dBm	Class C++: -31dBm	Class C+++: -30dBm
	Saturation power	Class B+: -8dBm	Class C+: -12dBm	Class C++: -10dBm	Class C+++: -10dBm
Backplane Bandwidth		31.5G			

## Power supply

AC	100V ~ 240V, 47~63Hz
DC	External adapter mode 12V/2.5A

## Environment

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

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