

# FD1304S

## 4PON PORTS EPON OLT



Dedicated Chip



Software Customization



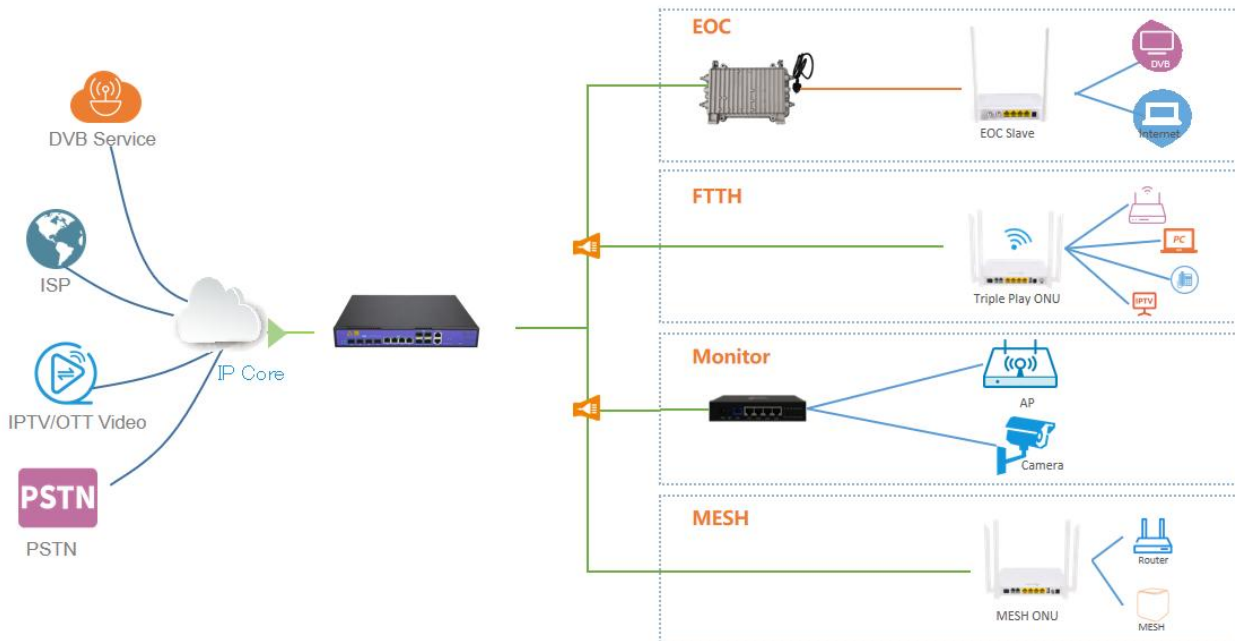
Back Battery Unit



Layer3 Switching

### Brief Views

EPON OLT FD1304S completely meet relative standard of IEEE 802.3x and FSAN, which is 1U rack-mounted device with 4 uplink Ethernet ports, 4\*10GE uplink ports and 4 EPON ports. Each EPON port supports the splitting ratio of 1:64, The EPON system supports up to 256 terminal connections.



## Functional Feature

### EPON Function

- IEEE 802.3x
- Support OAM protocol
- 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
- DHCP server/DHCP relay/DHCP snooping
- ARP proxy

### Other Function

- Support BBU

### Multicast Function

- IGMP snooping
- IGMP V1/V2
- 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

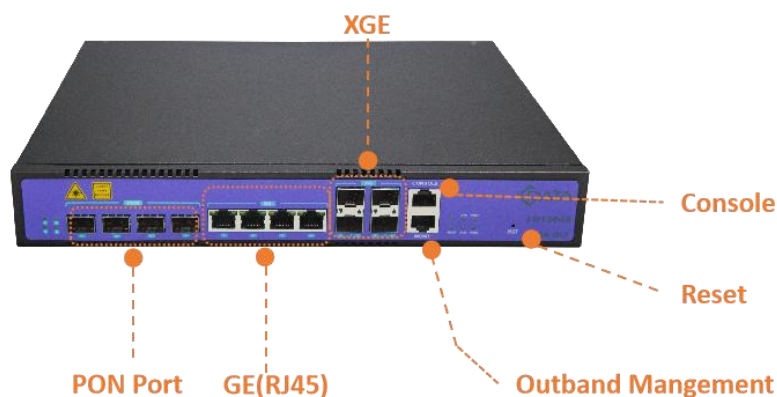
### Management Function

- 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	306mm(L)*266mm(W)*44mm(H)
Weight	2.6kg

## Hardware

Uplink Port	4 10/100/1000M auto-negotiation Ethernet ports	
	10-Gigabit	4 SFP+ interfaces
PON Port	Quantity	4
	Physical interface	SFP slot
	Interface type	EPON: IEEE802.3ah
	Max splitting ratio	EPON: 1:64
Management Port		1 100/1000BASE-Tx out-band Ethernet port 1 CONSOLE local management port
PON Port attribute	Transmission distance	20KM
	Port rate	EPON: Symmetrical 1.25Gbps
	Wavelength	Forwarding: 1490nm      Receiving: 1310nm
	Interface type	SC/UPC
	Fiber type	9/125μm SMF (Single Mode Fiber)
	Light transmission power	PX20+: 2~5.5dBm
	Receiving sensitivity	PX20+: -28dBm
	Saturation power	PX20+: -8dBm
Backplane Bandwidth		98G

## Power supply

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

## Environment

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