

FD5008/5016/5024 Series

xPON MDU



Security monitoring



G/EPON dual mode



PoE/PoE+

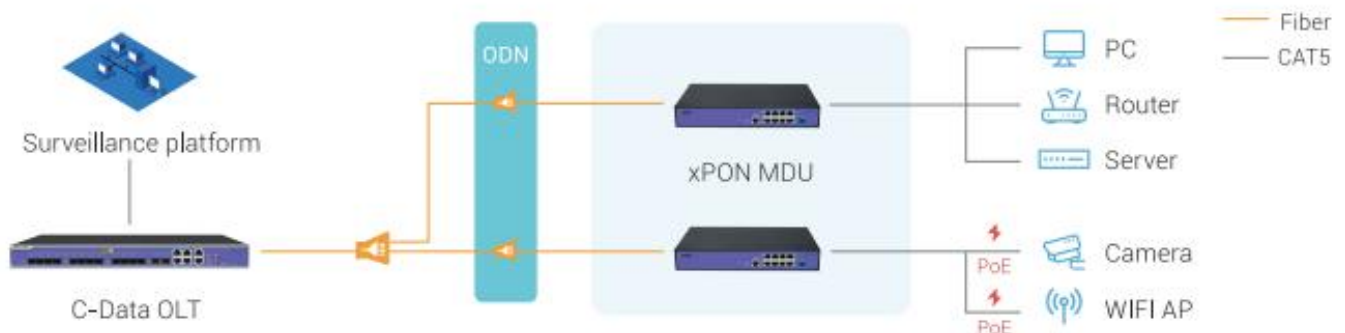


Gigabit Ethernet

Brief Views

FD5008/5016/FD5024 series xPON MDU products are specially designed for FTTB/FTTO/POL application scenarios, providing multi-port data services based on xPON network.

The product provides 1 G/EPON adaptive PON port for uplink, 8/16/24 10/100/1000BASE-T electrical ports for downlink, and supports PoE/PoE+ function (optional). It is used for data transmission and can supply power to connected cameras, APs and other terminals.



Functional Feature

- Comply with ITU-T G.984, IEEE802.3ah standard
- Support PoE/PoE+ function (optional)
- Support ONU automatic discovery/link detection/software remote upgrade
- Support multiple registration methods of SN and LOID+Password
- Support WEB/CLI/SNMP management
- Supports Dynamic Bandwidth Allocation (DBA)
- Support AES encryption and decryption
- Support broadcast anti-storm function
- Support IGMP/MLD Snooping
- Support ACL control
- Support MAC address learning
- Support port-based speed limit
- Support port flow control
- Support loop detect
- Support VLAN/VLAN Stacking/QINQ
- Support PoE/PoE+ management

Product Interface and LED

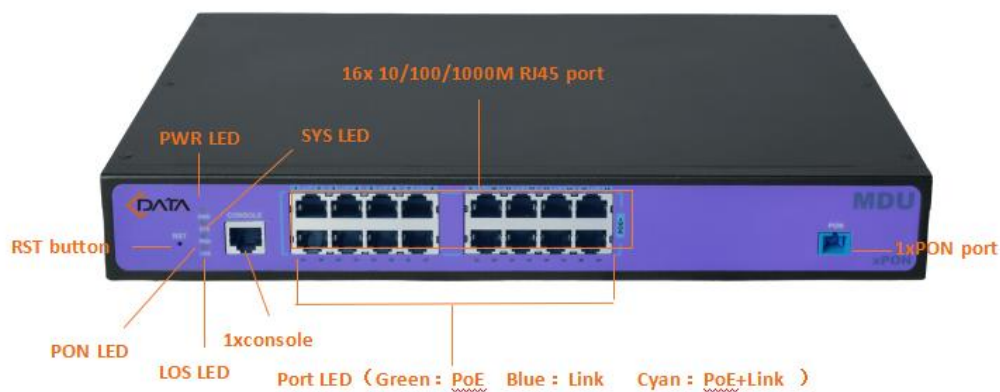


Figure FD5016BF

LED Definitions

Indicator		Description
PWR	Power Indicator	On: The power supply to the device is normal Off: The power supply to the device is abnormal
PON	PON Link Indicator	On: The optical link has been established Off: Discovery and registration not completed
SYS	System indicator	Blinking: The device has been started Off: The device is not running or is starting
LOS	Light signal indicator	On: No optical signal input or abnormal optical signal input Off: Optical signal input is normal
POE	POE status indicator	On (Green):PoE power supply is working Off: PoE power supply is down
LAN	Network port connection indicator	On (Blue):The network port has been connected Blinking: Data is being transmitted on the network port Off: The network port is not connected
PoE+LAN	PoE+LAN indicator	On (Cyan):port has been connected and PoE is working Blinking: Data is being transmitted on the network port Off: The network port is not connected

Product Specification

Mechanics	
Dimensions	330mm(L) x 260mm(W) x 44mm (H) (FD5016/FD5024) 280mm(L) x 185mm(W) x 44mm (H)(FD5008)
Weight	About 2.27kg (FD5024B)/2.99kg(FD5024BF) About 2.25kg (FD5016B)/2.79kg(FD5016BF) About 1.31kg(FD5008B)/1.62kg(FD5008BF)

Hardware		
User Port (LAN)		RJ-45 connector
		8* 10/100/1000Mbps adaptive network port (FD5008)
		16* 10/100/1000Mbps adaptive network port (FD5016)
		24* 10/100/1000Mbps adaptive network port (FD5024)
		Full/half duplex
		Auto MDI/MDI-X
Indicators		PWR / PON / SYS / LOS / LAN / POE / POE+LAN
PON Port	PON	EPON: 1000BASE-PX20+ symmetric GPON: Class B+/Class C+

	PON	EPON: 1.25Gbps downstream/upstream GPON: 2.488Gbps/1.244Gbps downstream/upstream	
	Wavelength	Transmit: 1310nm	Receiver: 1490nm
	Receiving sensitivity	EPON: -27dBm GPON: -28dBm	
	Saturated power	EPON: -3dBm GPON: -8dBm	
	Transmitting power	EPON:0~4dBm GPON: 0.5~5dBm	

Power supply	
Support PoE/PoE+(PSE)	
PSE output voltage	48V DC
PoE output power	240W (FD5016BF) 360W (FD5024BF) 120W (FD5008BF)
Single port maximum output power	30W
Maximum machine power consumption	FD5008B:20W FD5008BF:155W FD5016B:30W FD5016BF:285W FD5024B:30W FD5024BF:430W

Environment	
Working temperature	-10 to 50° C
Ambient humidity	10% ~ 90% (Non-condensing)

Ordering Information

NO.	Product Model	Specifications
1	FD5008B	1*PON+8*GE
2	FD5008BF	1*PON+8*GE(POE/POE+)
3	FD5016B	1*PON+16*GE
4	FD5016BF	1*PON+16*GE(POE/POE+)
5	FD5024B	1*PON+24*GE
6	FD5024BF	1*PON+24*GE(POE/POE+)