

FD5008BR/FD5016BR/FD5024BR Series

xPON MDU



Security monitoring



G/EPON dual mode



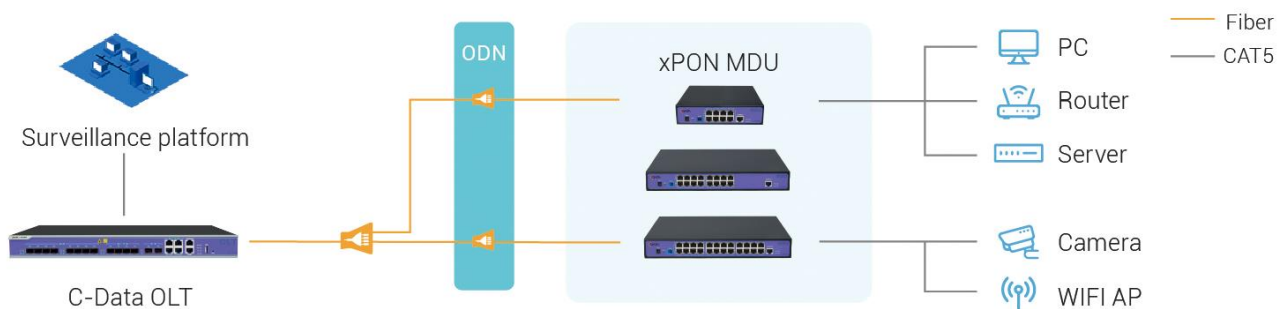
Reverse POE (PD)



Gigabit Ethernet

Brief Views

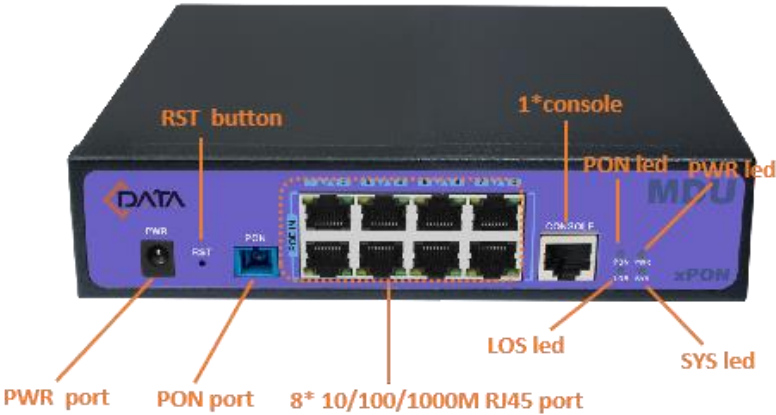
FD5008/16/24BR series xPON MDU products are specially designed for FTTB/FTTO/POL application scenarios, providing multi-port data services based on xPON network. The product provides 1 G/EPON adaptive PON port for uplink, 8/16/24 BASE-T electrical ports for downlink, and supports Reverse POE(PD). It solves the problem that it is difficult for access equipment to obtain power in special environments, and complements the traditional local power supply scheme.



Functional Feature

- Comply with ITU-T G.984, IEEE802.3ah standard
- Support reverse POE(PD)
- 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

Product Interface and LED



FD5008 BR

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
Speed(Port upper corner)	Network port speed indicator)	On(yellow):The port negotiation rate is 1000Mbps. Off:The port negotiation rate is 10/100Mbps.
Link/Act(Port upper corner)	Network port connection indicator)	On(green):The network port has been connected. Blinking:Data is being transmitted on the network port. Off:The network port is not connected.

Product Specification

Mechanics

Dimensions	200mm(L)x151mm(W)x40mm (H) (FD5008BR) 330mm(L)x166mm(W)x44mm (H) (FD5016BR/FD5024BR)
Weight	<1.3kg(FD5008BR) <2.25kg (FD5016BR/FD5024BR)

Hardware

User Port (LAN)		RJ-45 connector	
		8* 10/100/1000Mbps adaptive network port (FD5008BR)	
		16* 10/100/1000Mbps adaptive network port (FD5016BR)	
		24* 10/100/1000Mbps adaptive network port (FD5024BR)	
		Full/half duplex	
		Auto MDI/MDI-X	
Indicators		PWR / PON / SYS / LOS/Speed/Link/Act	
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

Reverse POE (PD)	DC 48V /0.5A
DC	DC 12V /2A
Maximum machine power consumption	<24W

Environment

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

