

FD5008/5016/5024 Series

xPON MDU



Security monitoring



G/EPON dual mode



PoE/PoE+

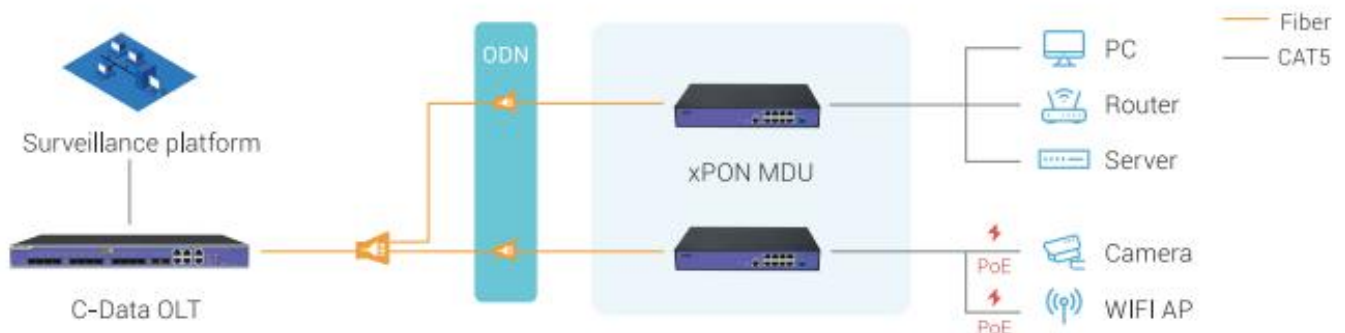


Gigabit Ethernet

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

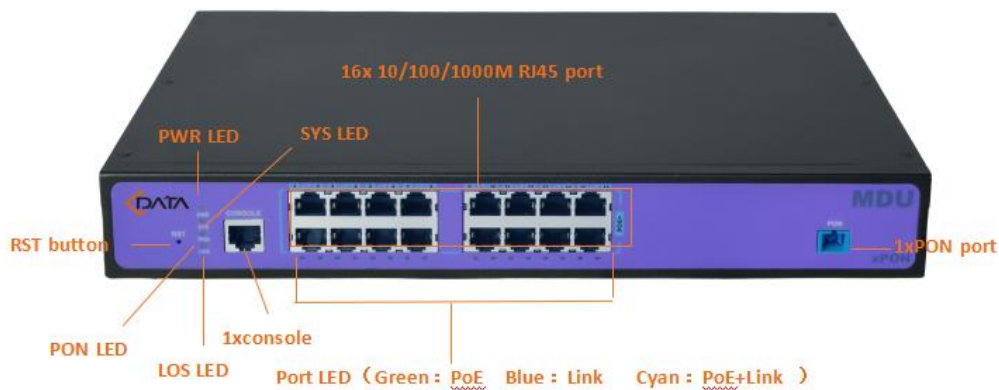


Figure FD5016BF

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)	
Indicators	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+)

Copyright © Shenzhen C-Data Technology Co., Ltd. 2023. All rights reserved.

Without the prior written consent of C-DATA, any reproduction, excerpting, backup, modification, translation or any other form of commercial use of this document or any portion of this document, and in any form or by any means, to transmit the document are prohibited.