FD5004THB-RS&FD5004THBF-RS

1*2.5GE (PoE/PoE+) + 3GE (PoE/PoE+) XGS-PON MDU

Security monitoring

XGS-PON

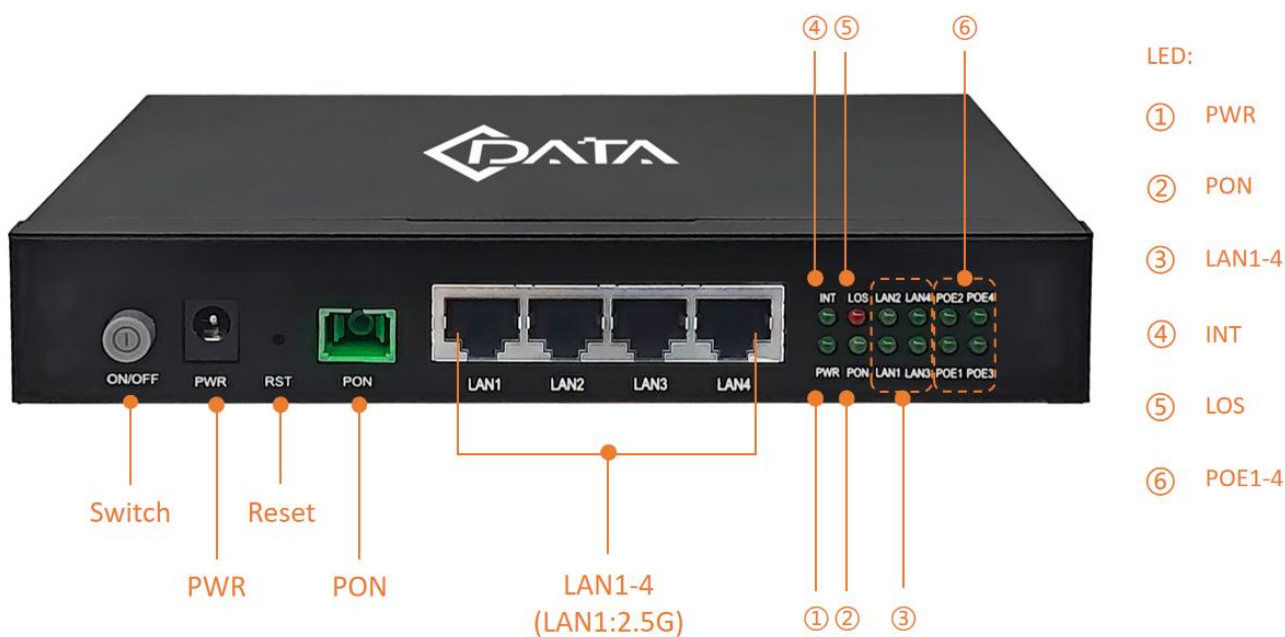**PoE/PoE+**

2.5G

Brief Views

The product provides 3GE and 1*2.5G ports with PoE/PoE+ functions, which can not only transmit data, but also connect to terminal devices such as cameras through its PoE ports to supply power, making the networking more flexible. FD5004THB-RS&FD5004THBF-RS Corridor MDU has the characteristics of high reliability, quality of service(QoS) guarantee, easy management, flexible upgrade and expansion and networking. The various functions and performance indicators of the equipment meet ITU-T related recommendations, relevant international standards and technical specifications of industry standards, and have good compatibility when used with mainstream manufacturers' central office OLTs.

Functional Feature

- Support MDU auto-discovery/Link detection/remote upgrade of software
- Support SN and LOID+Password multiple registration methods
- Support port VLAN configuration
- Support port-based rate limitation and bandwidth control
- Support MAC address learning
- Support MAC address learning account limit
- Support VLAN transparent/tag/translate/trunk
- Support broadcasting storm resistance function
- Support igmp transparent/snooping/proxy mode
- Support Dynamic Bandwidth Allocation (DBA)
- Support AES encryption and decryption
- EMS network management based on SNMP, convenient for maintenance
- Support power-off alarm function, easy for link problem detection
- Support Firewall
- Support MAC address/URL filter
- Support Remote WEB/Telnet access control

Product Interface and LED

LED Definitions

Indicator		Description
PWR	Power status	On: The MDU is power on Off: The MDU is Power off
PON	MDU Register	On: Success to register to OLT; Blinking: In process of registering to OLT; Off: Failed to register to OLT or no normal optical signal input;
LAN1-4	LAN Port status	On: Ethernet connection is normal Blinking: Data is being transmitted through the Ethernet port Off: Ethernet connection is not set up
LOS	Optical signals	On: Optical power lower than receiver sensitivity Off: Optical in normal
POE	POE status	On: The MDU POE power supply on Off: The MDU POE power supply off
INT	Internet status indicator	On: The routed WAN Internet access service is normal. Off: The routed WAN Internet access service is abnormal.

Product Specification

Mechanics	
Dimensions	180mm(L) x 122mm(W) x 30mm (H)
Weight	About 500g

Hardware			
User Port (LAN)		RJ-45 connector	
		1*2.5G and 3* 10/100/1000Mbps adaptive Ethernet port	
		Full/Half duplex	
		Auto MDI/MDI-X	
Indicators		PWR / PON / LOS / LAN/ INT / POE	
PON Port	PON Mode	XGS-PON: ITU-T G.9807.1 standard	
	PON Rate	XGS-PON: 10Gbps/10Gbps downstream/upstream	
	Wavelength	Transmit: 1270nm	Receiver: 1577nm
	Receiving sensitivity	XGS-PON: -28dBm	
	Saturated power	XGS-PON: -9dBm	
	Average sending	XGS-PON: +4～+9dBm	

Environment

Working temperature	-30 to 65° C
Operating humidity	10% ~ 90% (Non-condensing)

Power

FD5004THBF-RS:

External power supply: 48VDC/1.5A

Support POE feed (PSE)

PSE output voltage: 48V DC

The maximum output power of the whole machine: 56W, the maximum output power of a single port: 30W

Max machine power consumption: <60W

FD5004THB-RS:

External 12VDC/1A power supply adapter

Max machine power consumption: <6W

Ordering Information

NO.	Product Model	Specifications
1	FD5004THBF-RS	1*PON+1*2.5GE(POE/POE+)+3*1GE(POE/POE+)
2	FD5004THB-RS	1*PON+1*2.5GE+3*GE