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RACK2000C
Ethernet Media Converter Rack
Quick Installation Manual

Industrial Ethernet Switch · Device Networking Product · Embedded Module · Industrial Wireless Product
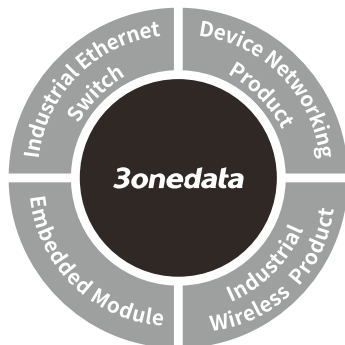
3onedata

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【Package Checklist】

Please check the integrity of package and accessories while first using the Ethernet media converter rack.

1. Ethernet media converter rack x 1
2. Power cord
3. Quick Installation Manual
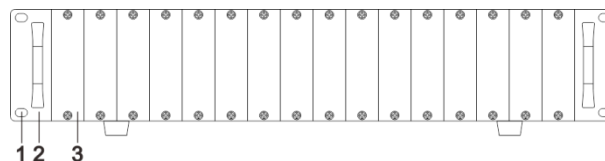4. CD
5. Warranty card
6. Certification

If any of these items are damaged or lost, please contact our company or dealers, we will solve it ASAP.
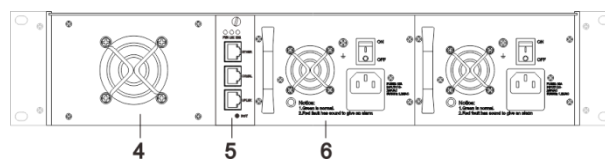
【Product Overview】

The product is a managed 16 slots card Ethernet media converter 2U rack. The model is RACK2000C (16 slots card).
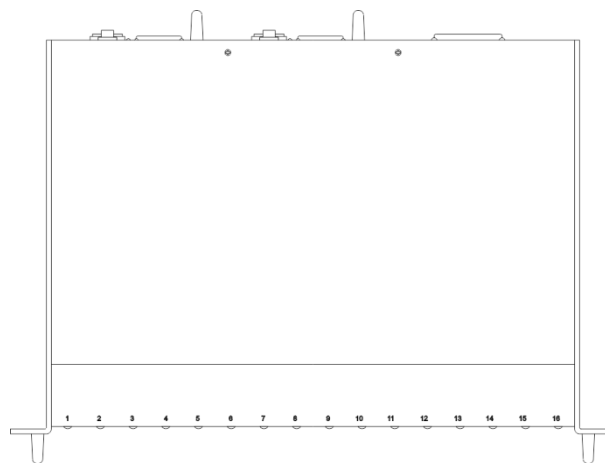
【Panel Design】

➢ **Front view**

1 2   3

➢ **Rear view**

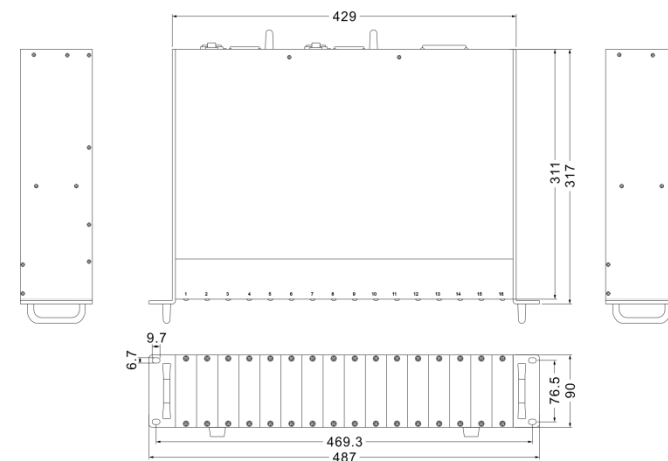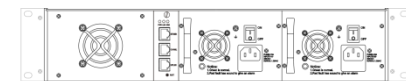4   5   6

➢ **Top view**

1.   Mounting lug
2.   Handle
3.   Damper (place the card device)
4.   Fan module
5.   Management card
6.   Power supply module

【Mounting Dimension】

Unit: mm

⚠ Note before mounting:

- Don't place or install the device in area near water or moist, keep the relative humidity of the device surrounding between 5%~95% without condensation.
- Before power on, first confirm the supported power supply specification to avoid over-voltage damaging the device.
- The device surface temperature is high after running; please don't directly contact to avoid scalding.

【Mounting Rack】

➢ **Install the device**

Step 1   Select the device installation location to reserve sufficient size.

Step 2   Place the device on the surface plate of the rack; adopt 4 screws to install the mounting lugs on the left and right sides on the rack.
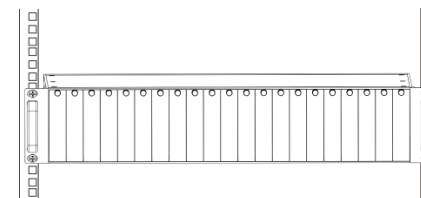
Step 3   Check and confirm the product is firmly installed on the rack, then mounting ends.
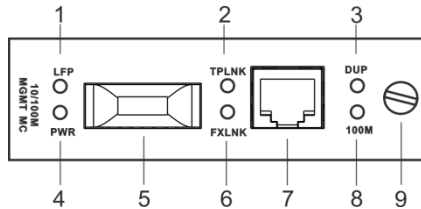
➢ **Disassemble the device**

Step 1   Device power off.

Step 2   Unscrew the fixing screw

Step 3   Remove the device from the rack, disassembling ends.

【Optional Daughter Card】

➢ **100M Ethernet media converter rack card**

1. Link disconnection alarm indicator (LFP)
2. Copper port connection status indicator (TPLNK)
3. Copper port duplex mode indicator (DUP)
4. Power suplly connection status indicator (PWR)
5. 100M fiber port
6. Fiber port connection status indicator (FXLNK)
7. 100M copper port
8. Copper port 100M rate indicator (100M)
9. Screw

➢ **Management card**
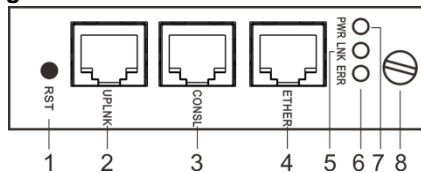
1. Restore factory defaults button (RST)
2. Cascade interface is used for cascade card connection
3. Console port
4. 100M copper port
5. Copper port connection status indicator (LNK)
6. Alarm indicator (ERR)
7. Power supply connection status indicator (PWR)
8. Screw

【RST Button】

Management card provides restore factory defaults button (RST). When the management card power on, press the RST button for about 20 seconds, the management card will automatically restore factory defaults (factory default IP address 192.168.1.251, subnet mask 255.255.255.0, gateway 192.168.1.1).

【DIP Switch】

 100M Ethernet media converter rack card supports 8 pins DIP switches, the pin definition as follows.

DIP	Status	Description
1	ON	Copper port auto negotiation function is disabled
	OFF	Copper port auto negotiation function is enabled (default)
2	ON	Copper port is half duplex
	OFF	Copper port is full duplex (default)
3	ON	Copper port 10M
	OFF	Copper port 100M (default)
4	ON	LFP function is enabled
	OFF	LFP function is disabled (default)
5	ON	Remote control is disabled
	OFF	Remote control is enabled (default)
6	ON	Pass-through mode
	OFF	Store and forward (mode)
7-8	-	Reserved

【Power Supply Connection】

➢ **AC power supply**
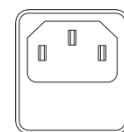
 Professional communication power supply is embedded in the rack, which supports single and dual power supply optional. Dual power supply device, when one power supply fails, it can immediately switch to another power supply to ensure the device continuous power supply. Power supply input range: 100~260VAC.

【Indicator】

➢ **100M Ethernet media converter card**

Type	LED	Status	Description
Fiber port	FXLNK	ON	Fiber port link is connected well
		Blinking	Data is transmitted
		OFF	Fiber port without data transmission or link fails
Copper port	100M	ON	100Mbps
		OFF	10Mbps or out of service
	TPLNK	ON	Copper port link is connected well
		Blinking	Data is being transmitted
		OFF	Copper port without data transmission or link fails
	DUP	Blinking	Full duplex mode
		OFF	Half duplex mode
Alarm	LFP	ON	Link disconnection alarm function is enabled
		OFF	Link disconnection alarm function is disabled
Power supply	PWR	ON	Power supply is normal
		OFF	Power supply is not powered or fails

➢ **Network management card**

Type	LED	Status	Description
Copper port	LNK	ON	Fiber port link is connected well
		Blinking	Data is transmitted
		OFF	Fiber port without data transmission or link fails
Alarm	ERR	ON	Except for lighting during power on

Type	LED	Status	Description
		OFF	No alarm
Power supply	PWR	ON	Power supply is normal
		OFF	Power supply is not powered or fails

【Specification】

Panel	
Copper port	10/100Base-T(X), RJ45 interface
Fiber port	100Base-FX fiber port is full duplex SC/ST/FC interface
Console port	Debugging port (RS-232), RJ45 interface
Indicator	Power supply indicator, rate indicator, duplex indicator, copper port indicator, fiber port indicator
Power supply	
Input power supply	100~260VAC, 50~60Hz
Output power supply	5VDC
Consumption	
Full load consumption	< 60W
Working environment	
Working temperature	0~50℃
Storage temperature	-10~70℃
Working humidity	5%~90% (no condensation)