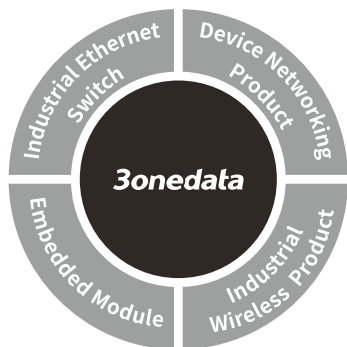


RACK2000A Ethernet Media Converter Rack Quick Installation Manual



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【Package Checklist】

Please check whether the package and accessories are intact while using the Ethernet media converter for the first time.

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

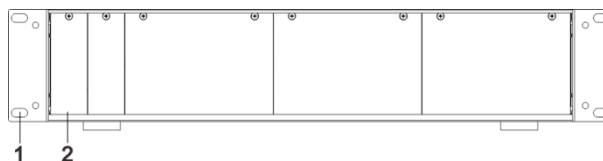
If any of these items are damaged or lost, please contact our company or dealers, we will solve it ASAP.

【Product Overview】

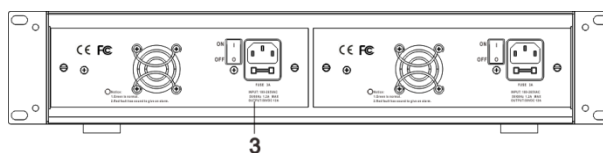
This product is an unmanaged 14 slots desktop Ethernet media converter 2U rack. The model is RACK2000A (14 slots desktop).

【Panel Design】

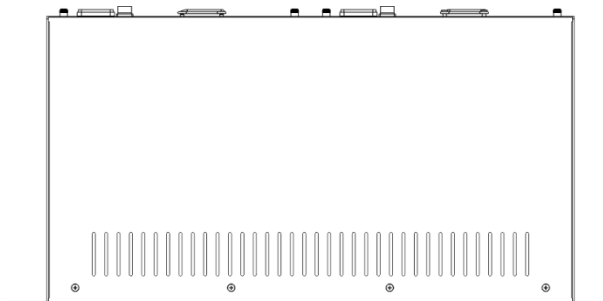
➤ Front view



➤ Rear view



➤ Top view

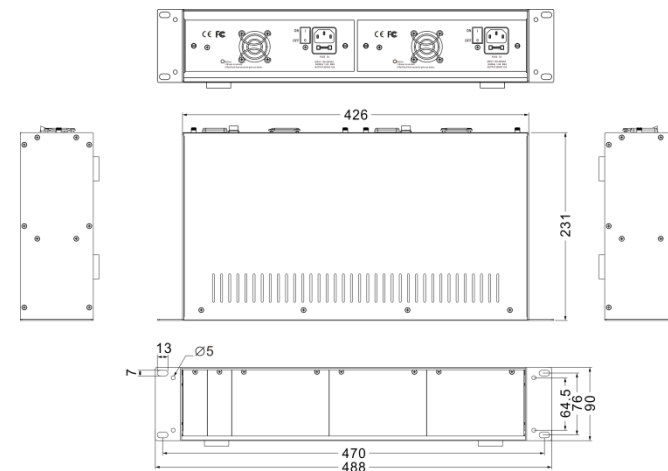


1. Mounting lug
2. Slot position (place the desktop device)
3. Power supply module

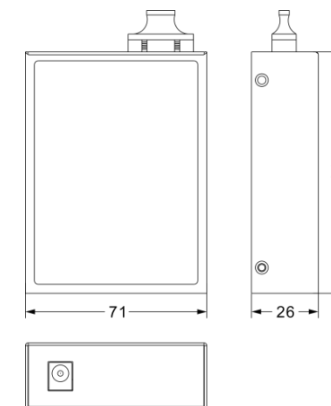
【Mounting Dimension】

Unit: mm

➤ Rack



➤ Subset



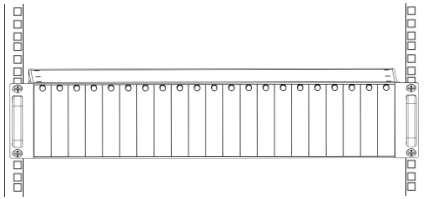
Note before mounting:

- 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.

【Rack Mounting】

➤ 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, and then adopt 4 screws to install the mounting lugs on the left and right sides on the rack.



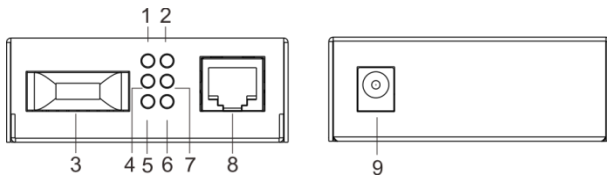
- Step 3 Check and confirm the product is firmly installed on the rack, then mounting ends.

➤ **Disassemble the device**

- Step 1 Device power off.
- Step 2 Unscrew the fixing screw of mounting lug on the rack.
- Step 3 Remove the device from the rack, disassembling ends.

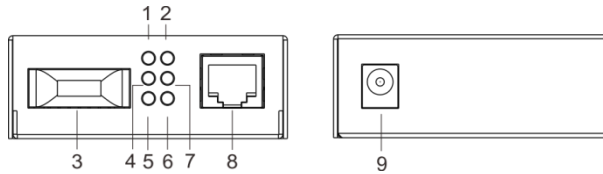
【Optional Subset】

➤ **100M Ethernet media converter**



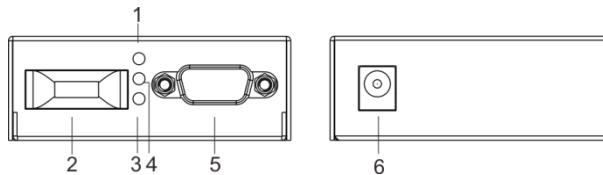
1. Fiber port 100M rate indicator (100)
2. Copper port 100M rate indicator (100)
3. 100M fiber port
4. Fiber port connection status indicator (Link/Act)
5. Copper port connection status indicator (Link/Act)
6. Fiber port duplex mode indicator (FDX)
7. Power supply connection status indicator (PWR)
8. 100M copper port
9. DC5V power supply input end

➤ **Gigabit Ethernet media converter**



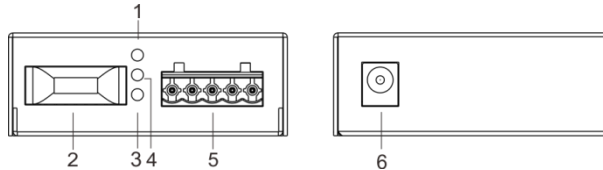
1. Copper port 100M rate indicator (100)
2. Copper port connection status indicator (TP-TX)
3. Gigabit fiber port
4. Fiber port connection status indicator (FX)
5. Power supply connection status indicator (PWR)
6. Copper port gigabit rate indicator (1000)
7. Copper port duplex mode indicator (DUP)
8. Gigabit copper port
9. DC5V power supply input end

➤ **RS-232 interface fiber MODEL**



1. Fiber port sending data indicator (TXD)
2. 100M fiber port
3. Power supply connection status indicator
4. Fiber port receiving data and connection alarm indicator (RXD)
5. RS-232 serial port
6. DC5V power supply input end

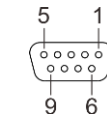
➤ **RS-485/422 interface fiber MODEL**



1. Fiber port sending data indicator (TXD)
2. 100M fiber port
3. Power supply connection status indicator
4. Fiber port receiving data and connection alarm indicator (RXD)
5. RS-485/422 serial port

6. DC5V power supply input end

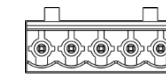
【RS-232 Serial Port】



The serial port of RS-232 interface fiber MODEL adopts DB9 female connection mode, the pin definition as follows:

Pin NO.	2	3	5
Pin definition	TXD	RXD	GND

【RS-485 Serial Port】

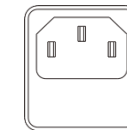


The serial port of RS-485/422 interface fiber MODEL adopts 5-pin terminal blocks, the pin definition as follows:

Pin NO.	1	2	3	4	5
RS-485	GND	-	-	D+	D-
RS-422	GND	R-	R+	T+	T-

【Power Supply Connection】

➤ **DC power supply**



Professional communication power supply is embedded in the rack, which supports 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.



Note

This product also supports 48VDC power supply input. The DC products have the same performance parameters except for different power inputs.

【Indicator】

➤ **100M Ethernet media converter**

Type	LED	Status	Description
Fiber port	100	ON	100Mbps
		OFF	10Mbps or out of service
	Link/Act	ON	Fiber port link is well connected

Type	LED	Status	Description
		Blinking	Data is transmitted
		OFF	Fiber port link is disconnected
	FDX	ON	Full duplex mode
		OFF	Half duplex mode
		Blinking	There exist conflicts
Copper port	100	ON	100Mbps
		OFF	10Mbps or out of service
	LNK/ACK	ON	Ethernet port is well connected
		Blinking	Data is transmitted
Power supply	PWR	ON	Power supply is normal
		OFF	Power supply is not powered or fails

➤ **Gigabit Ethernet media converter**

Type	LED	Status	Description
Fiber port	FX	ON	Fiber port link is well connected
		Blinking	Data is transmitted
		OFF	Fiber port link is disconnected
Copper port	100	ON	100Mbps
		OFF	10Mbps or out of service
	1000	ON	1000Mbps
		OFF	100Mbps or out of service
	TP-TX	ON	Ethernet port is well connected
		Blinking	Data is transmitted
OFF		Ethernet port link is disconnected	

Type	LED	Status	Description
	DUP	Blinking	Full duplex mode
		OFF	Half duplex mode
Power supply	PWR	ON	Power supply is normal
		OFF	Power supply is not powered or fails

➤ **RS-232 or RS-485/422 interface fiber MODEL**

Type	LED	Status	Description
Fiber port	RXD	ON	Without fiber connection alarm
		Blinking	Data is received
		OFF	Without data receiving
	TXD	ON	Data is transmitted
		OFF	Without data transmission
	Power supply	PWR	ON
OFF			Power supply is not powered or fails

【Specification】

Panel	
Copper port	10/100Base-T (X) or 10/100/1000Base-T (X), RJ45 interface, full duplex/half duplex self-adaptive
Fiber port	100Base-FX or 1000Base-FX fiber port, full duplex SC/ST/FC interface
Indicator	Power supply indicator, rate indicator, duplex indicator, copper port indicator, fiber port indicator
Power supply	

Input power supply	<ul style="list-style-type: none"> AC: dual power supply 100~260VAC, 50~60Hz; DC: dual power supply 48VDC
Output power supply	5VDC
Consumption	
Full-load power	< 60W
Working environment	
Working temperature	0~50℃
Storage temperature	-10~70℃
Working humidity	5%~90% (no condensation)