3onedata
Reliable Connections



RACK2100 Series

2U Rack Mounting

18-Slot Card Industrial Multi-service Rack

- Support 18 slots, which can implement centralized management of daughter card of multiple media converters
- Support plug-in management card for SNMP, Telnet, WEB and CLI configuration management
- Support dual power supply, input voltage: 85~264VAC/DC
- Support -40~75℃ wide operating temperature range

RPS

Fanless Desig

Introduction

RACK2100 series are 18-slot card industrial multi-service racks, which could be plugged in up to 18 mobile daughter cards and be powered uniformly, thus decreasing connecting lines and facilitating management and maintenance. This product can be used with various daughter cards of media converter, such as the daughter cards with 100M copper port, 100M fiber port, Gigabit copper port, Gigabit fiber port or Gigabit SFP slot. It adopts 2U rack mounting which can meet the requirement of different application field.

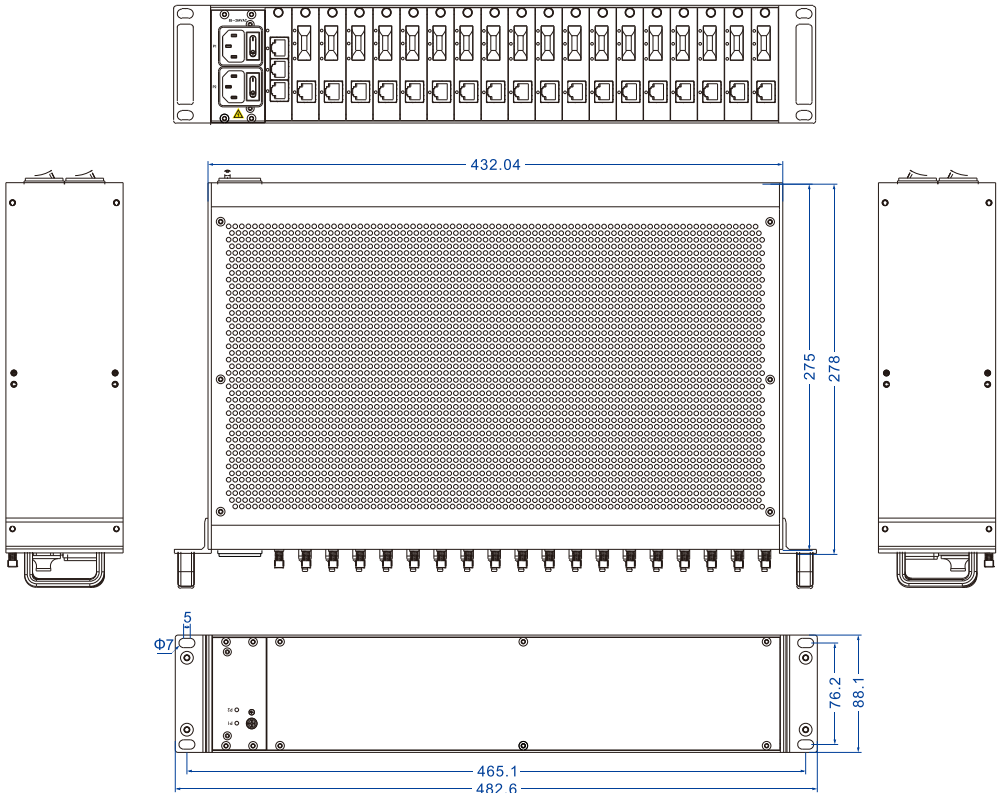
Plug-in managed daughter card and its corresponding management card can implement network management function, such as remote card and local card configuration, bandwidth management, speed and duplex mode configuration, remote link alarm configuration, alarm configuration, jumbo frame mode configuration, one-key VLAN configuration, transmission mode configuration, etc. support slot alarm, power alarm, mail alarm, log management and user management, etc.; support access modes such as CLI, WEB, Telnet, and SNMP. It can provide users with good experience with friendly design of network management system interface, simple and convenient operation.

The input power supply is two independent power supply circuits which can ensure the normal operation of the device when one power supply fails. The chassis supports two power supply schemes, front or rear power supply, which can meet the on-site power supply demands. Hardware adopts fanless, low power consumption, wide temperature and voltage design and has passed rigorous industrial standard tests, which can suit for the industrial scene environment with harsh requirements for EMC. It can be widely used in smart grid, rail transit, smart city, safety city, new energy, intelligent manufacturing and other industrial fields.

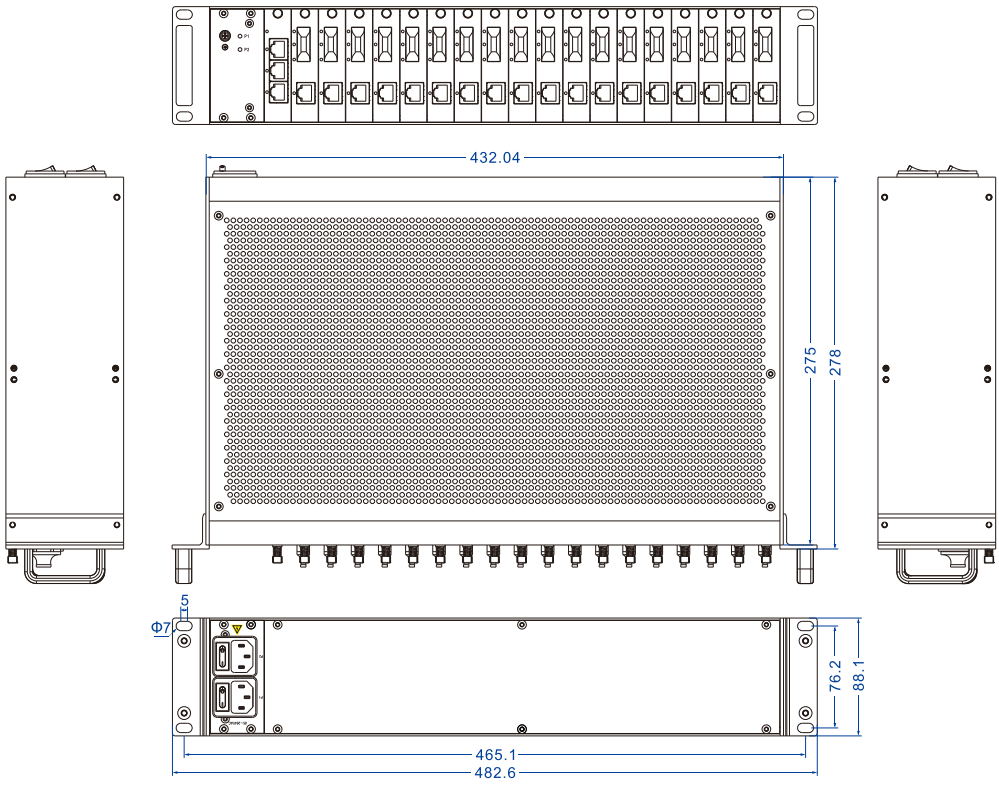
Dimension

Unit: mm

- RACK2100 - F-2AC



- RACK2100 - R-2AC



Specification

Standard & Protocol	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX and 100Base-FX IEEE 802.3ab for 1000Base-T IEEE 802.3z for 1000Base-X IEEE 802.3x for Flow Control
Management function (management card)	SNMP v1/v2c centralized device management, bandwidth management, mail Alarm, port alarm, power alarm, DHCP client, SNTP and file management
Interface	Copper port: 10/100Base-T(X) or 10/100/1000Base-T(X), RJ45, Automatic Flow Control, Full/Half Duplex Mode, MDI/MDI-X Autotunning Fiber port: 100Base-FX or 1000Base-X, optional SC/ST/FC SFP slot: 1000Base-X, SFP slot Console port: CLI command line management port (RS-232), RJ45
Indicator	Power supply indicator, LFP indicator, running indicator, interface indicator
Switch Property	Transmission mode: store and forward Switch time delay: <10μs 100M daughter card: ● MAC address: 2K ● Packet buffer size: 0.75Mbit ● Backplane bandwidth: 0.8G Gigabit daughter card: ● MAC address: 8K ● Packet buffer size: 1Mbit ● Backplane bandwidth: 14G
Power supply	Input voltage: 85~264VAC/DC Output voltage: 5VDC Dual power supply redundancy, AC socket with switch
Power consumption	Full-load: 34.46W@220VAC
Working environment	Operating temperature: -40~75℃ Storage temperature:-40~85℃ Relative humidity: 5%～95%(no condensation)
Physical Characteristic	Shell: aluminum shell Installation: 2U rack mounting Dimension (W x H x D): 432.04mm×88.1mm×278mm

	Weight: 5.07kg
Certification	CE, FCC, RoHS
Warranty	5 years

Ordering Information

Type	Available Models	Description	Power supply
Rack	RACK2100 - F-2AC	Can plug in 18 daughter cards and 1 management card, redundant power is on the front while power supply indicator is on the rear	85~264VAC/DC dual power supply
	RACK2100 - R-2AC	Can plug in 18 daughter cards and 1 management card, power supply indicator is on the front while redundant power is on the rear	

Ordering Information of Ancillary Product

Type	Available Models	Description	Power supply
Unmanaged daughter card	ECU100-1T1F	1 100M fiber port and 1 100M copper port	5VDC
	ECU100-2T1F	1 100M fiber port and 2 100M copper ports	
	ECU100-1GT1GF	1 Gigabit fiber port and 1 Gigabit copper port	
	ECU100-2GT1GF	1 Gigabit fiber port and 2 Gigabit copper ports	
	ECU100-1GT2GS	2 Gigabit SFP slots and 1 Gigabit copper port	
Managed daughter card	ECU100M-1T1F	1 100M fiber port and 1 100M copper port	
	ECU100M-2T1F	1 100M fiber port and 2 100M copper ports	
	ECU100M-1GT1GF	1 Gigabit fiber port and 1 Gigabit copper ports	
	ECU100M-2GT1GF	1 Gigabit fiber port and 2 Gigabit copper ports	

	ECU100M-1GT2GS	2 Gigabit SFP slots and 1 Gigabit copper port	
Management card	NMU	1 CONSOLE and 2 100M copper ports	

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