

RFoG Series Serial Converter

16,32 and 48-port RS-232/422/485 Serial Device Servers

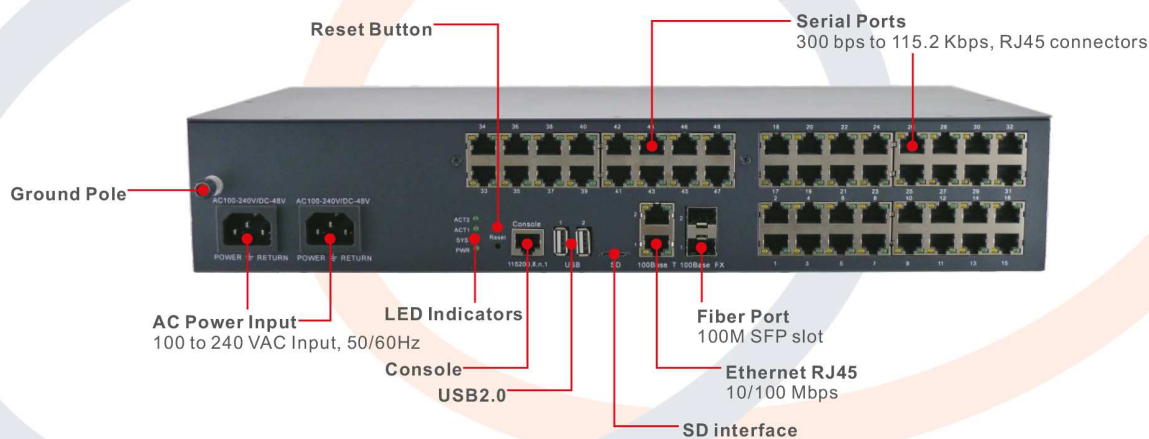


- > Web-based configuration
- > Standard 19-inch rackmount size
- > Auto-detecting 10/100Mbps Ethernet
- > Built-in 15 KV ESD protection for all serial signals
- > Support TCP server/ TCP client/UDP/Virtual COM Socket modes
- > Support 3G/WIFI USB Modem(optional)
- > Support serial data backuping to SD memory card
- > Wide input voltage range

Overview

The RFoG series serial device servers can connect 16, 32 and 48-port serial devices to an Ethernet network, It supports RS-232/485/422 serial standards, It can be widely applied in different fields for such as PLCs, sensors and . The C9xxx series device servers are ultra-lean, ruggedized, and user friendly, making simple and reliable serial to Ethernet solutions possible.

Appearance



Specifications

Optical Fiber(only versions with Optical Fiber Module)

- Number of Ports: 2
- Fiber Port: 100M SFP slot

Ethernet Interface

- Number of Ports: 2
- Speed: 10/100 Mbps, auto MDI/MDIX
- Connector: 8-pin RJ45
- Magnetic Isolation Protection: 1.5 KV built-in
- Ethernet Line Protection: EN 61000-4-5 (Surge) Level 2

SD interface

- Mini SD

USB interface

- USB 2.0 Port
- for UMTS/HSPA/EVDO/WCDMA/CDMA2000/WIFI USB Modem(Pending)

Serial Interface

- Number of Ports:
 - 16-port version: 16
 - 32-port version: 32
 - 48-port version: 48
- Serial Standards:
 - RS-232
 - RS-422/485(Pending)
- Connector: RJ45(Compatible with Cisco's console pin assignment)

Serial Line Protection:

- EN 61000-4-2 (ESD) Level 4
- EN 61000-4-5 (Surge) Level 2
- EN 61000-4-4 (EFT) Level 3

Serial Communication Parameters

- Data Bits: 5, 6, 7, 8
- Stop Bits: 1, 2
- Parity: None, Even, Odd, Space, Mark
- Flow Control: RTS/CTS, XON/XOFF
- Baudrate: 300 bps to 115.2 Kbps

Serial Signals

- RS-232: TxD, RxD, RTS, CTS,GND
- RS-422/485(Pending)

Software

- Network Protocols: ICMP, IP, TCP, UDP, HTTP, ARP,
- Configuration Options: Built-in WEB server, Serial Console,
- Windows Virtual COM Drivers: Windows 2000/XP/2003/Vista/2008/7

Physical Characteristics

- Housing: Metal
- Weight:
 - 16-port version: 2.5kg
 - 32-port version: 3.1kg
 - 48-port version: 3.4kg
- Dimensions:
 - 16-port version: 430 x 200 x 45mm
 - 32-port and 48-port version: 430 x 200 x 78mm

Environmental Limits

- Operating Temperature: 0 to 50°C
- Storage Temperature: -40 to 85°C
- Ambient Relative Humidity: 5 to 95% (non-condensing)

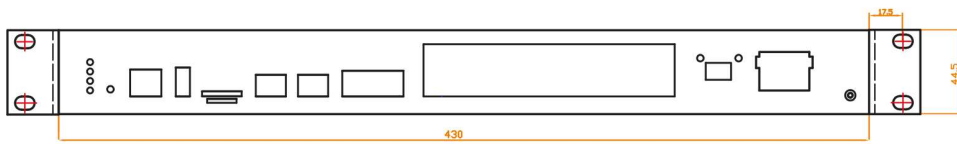
Power Requirements

- Input Voltage:
 - 48VDC,110/220VAC(See Ordering Information)
- Power Consumption: <25 watts

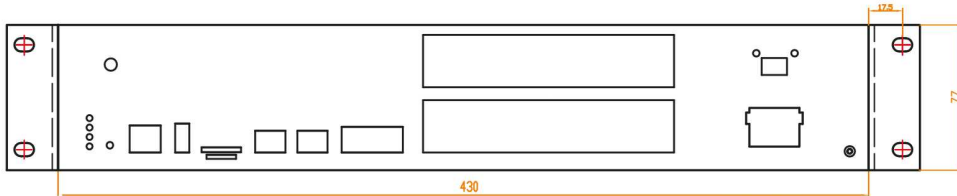
Dimensions

Unit: mm

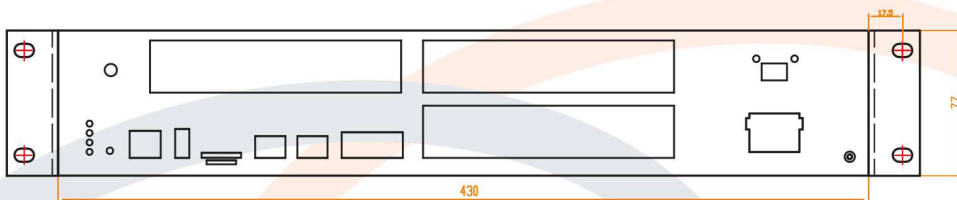
16-port ver.



32-port ver.



48-port ver.



Ordering Information

Type	Function Description
RF-KNV-16RS232-ETH-GC-AC/DC	16-port RS232(Baudrate: 300 bps to 115.2 Kbps) and 2-port 10M/100M Ethernet, 19" rack mounting installation, Build in 220VAC or -48VDC power supply
RF-KNV-16RS232-ETH-GC-ACDC	16-port RS232(Baudrate: 300 bps to 115.2 Kbps) and 2-port 10M/100M Ethernet, 19" rack mounting installation, Build in redundant 220VAC and -48VDC power supply
RF-KNV-32RS232-ETH-GC-AC/DC	32-port RS232(Baudrate: 300 bps to 115.2 Kbps) and 2-port 10M/100M Ethernet, 19" rack mounting installation, Build in 220VAC or -48VDC power supply
RF-KNV-32RS232-ETH-GC-ACDC	32-port RS232(Baudrate: 300 bps to 115.2 Kbps) and 2-port 10M/100M Ethernet, 19" rack mounting installation, Build in redundant 220VAC and -48VDC power supply
RF-KNV-48RS232-ETH-GC-AC/DC	48-port RS232(Baudrate: 300 bps to 115.2 Kbps) and 2-port 10M/100M Ethernet, 19" rack mounting installation, Build in 220VAC or -48VDC power supply
RF-KNV-16RS232-ETH-OPT-GC-AC/DC	16-port RS232(Baudrate: 300 bps to 115.2 Kbps) , 2-port 10M/100M Ethernet and 2-port 100M SFP slot, 19" rack mounting installation, Build in 220VAC or -48VDC power supply
RF-KNV-16RS232-ETH-OPT-GC-ACDC	16-port RS232(Baudrate: 300 bps to 115.2 Kbps) , 2-port 10M/100M Ethernet and 2-port 100M SFP slot, 19" rack mounting installation, Build in redundant 220VAC and -48VDC power supply
RF-KNV-32RS232-ETH-OPT-GC-AC/DC	32-port RS232(Baudrate: 300 bps to 115.2 Kbps) , 2-port 10M/100M Ethernet and 2-port 100M SFP slot, 19" rack mounting installation, Build in 220VAC or -48VDC power supply
RF-KNV-32RS232-ETH-OPT-GC-ACDC	32-port RS232(Baudrate: 300 bps to 115.2 Kbps) , 2-port 10M/100M Ethernet and 2-port 100M SFP slot, 19" rack mounting installation, Build in redundant 220VAC and -48VDC power supply
RF-KNV-48RS232-ETH-OPT-GC-AC/DC	48-port RS232(Baudrate: 300 bps to 115.2 Kbps) , 2-port 10M/100M Ethernet and 2-port 100M SFP slot, 19" rack mounting installation, Build in 220VAC or -48VDC power supply
RF-KNV-48RS232-ETH-OPT-GC-ACDC	48-port RS232(Baudrate: 300 bps to 115.2 Kbps) , 2-port 10M/100M Ethernet and 2-port 100M SFP slot, 19" rack mounting installation, Build in redundant 220VAC and -48VDC power supply

