

EDG-4508(R)+ EDG-4516(R)+

8-port RS-232/422/485 Serial Device Server

16-port RS-232/422/485 Serial Device Server



EDG-4508(R)+

EDG-4516(R)+



Features

- RS-232/422/485 Serial Communication, up to 8- or 16-port
- Supports 10/100Base-T Ethernet network
- Supports Baud rate up to 230.4 kbps
- Provides Virtual COMport, TCP/IP and UDP operation modes
- 4 x DI/O for alarm/event control
- Provides rich configuration ways: Serial Console, Windows utility, and Web
- Supports an advanced security mechanism to avoid unauthorized access
- Auto re-connection
- Remotely Downloadable Firmware
- Easy-managing Port Mapping Utility and configuration utility for Windows NT/2000/XP
- Buzzer for easy locate
- Rack mounted
- Rear wiring (EDG-4508R+/16R+)
- Automatic RS-485 data flow control

Introduction

EDG-4508 and EDG-4516 are industrial-grade network-based serial device servers for connecting up to 8 or 16 serial RS-232/422/485 device, such as CNCs, PLCs, scales and scanners, directly to Ethernet network. Compared with similar product on the market, EDG-4508 and EDG-4516 are low cost, but with high performance and reliability.

EDG-4508 and EDG-4516 provide 8 and 16 ports of serial communication. For many applications, you could also use EDG-4508 and EDG-4516 to remote monitor and control your serial device. Furthermore, EDG-4508 and EDG-4516 also build-in 4 channel digital inputs and 4 channel digital outputs for alarm or event control. EDG-4508 and EDG-4516 offer different ways to configured through windows utility, COM port mapping utility or serial interface console, these configuration methods make it easy manage many EDG-4508 and EDG-4516 or serial devices on your network.

Specifications

Ethernet Communication

- **Compatibility** IEEE802.3, IEEE802.3u
- **Speed** 10/100Mbps
- **Connectors** 1 x RJ-45

Serial Communication

- **Type** RS-232/422/485
- **Connectors** EDG-4508: 8 x RJ-48
EDG-4516: 16 x RJ-48
- **Ports** EDG-4508: 8
EDG-4516: 16
- **Data Bits** 5,6,7,8
- **Stop Bits** 1,1.5,2
- **Parity Bits** Odd,even,none,space,mark
- **Baudrate** 50bps ~ 230.4 kbps
- **Data Signals** RS-232: TxD, RxD, CTS, RTS, DTR, DSR, DCD, RI, GND
RS-422: TxD+, TxD-, RxD+, RxD-, GND
RS-485: Data+, Data-, GND
4DI & 4DO
Digital Input:
Logic level 0: 0 ~ 4.2 V , close to GND
Logic level 1: 4.4 ~5 V , open
Digital Output:
Open collector up to 30 V, 200 mA Max load

Software

- **Drivers Supported** Windows® 2000/XP
- **Utility Software** Auto-detecting configuration utility
Port mapping utility
Virtual COM port
- **Operation Mode** TCP/UDP server data mode
TCP/UDP client data mode,
AT command like control mode
- **Configuration** Configuration utility
Port mapping utility
Console serial command line interface configuration
Web interface configuration

Mechanics

- **Enclosure** SECC Chassis
- **Mounting** Rack
- **Dimensions (H x W x D)** 44 x 442 x 190 mm

General

- **Certification** CE,FCC ClassA
- **LED** System: Power, Status
LAN: Speed, Link/Active
Serial: Tx, Rx

Power

- **Power Input** 90 ~ 260 V_{AC}, 47 ~ 63 Hz
- **Power Consumption** 10 W (EDG-4516)
8 W (EDG-4508)

Environment

- **Operating Temp.** 0 ~ 55° C (32 ~ 131° F)
- **Storage Temp.** -20 ~ 80° C (-4 ~ 176° F)
- **Operating Humidity** 20% ~ 95% (non-condensing)
- **Storage Humidity** 0% ~ 95% (non-condensing)

Ordering Information

- **EDG-4508+** 8-port RS-232/422/485 Serial Device Server with front wiring (without power code)
- **EDG-4516+** 16-port RS-232/422/485 Serial Device Serve with front wiring (without power code)
- **EDG-4508R+** 8-port RS-232/422/485 Serial Device Serve with rear wiring (without power code)
- **EDG-4516R+** 16-port RS-232/422/485 Serial Device Serve with rear wiring (without power code)

- *all items include 1 PC 30cm RJ-48 to male DB9 RS-232/422/485 cable
- **OPT1A** 1 m RJ-48 to male DB9 RS-232/422/485 cable
 - **OPT1D** 30 cm RJ-48 to male DB9 RS-232/422/485 cable
 - **1702002600** Power Cable US Plug 1.8 M
 - **1702002605** Power Cable EU Plug 1.8 M
 - **1702031801** Power Cable UK Plug 1.8 M
 - **1702031836** Power Cable China/Australia Plug 1.8 M

1	TPC
2	IPPC
3	FPM
4	UNO
5	Ethernet Switch
6	Device Server
7	Serial COM
8	DAQ
9	CompactPCI
10	Signal Conditioning
11	USB DAQ
12	Motion Control I/O
13	PAC & Software
14	RS-485 I/O
15	Ethernet I/O
16	BAS