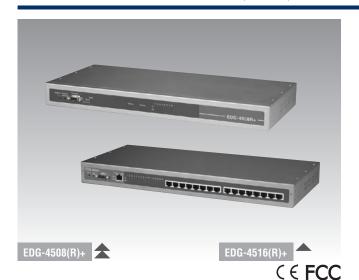
# EDG-4508(R)+ EDG-4516(R)+

# 8-port RS-232/422/485 Serial **Device Server** 16-port RS-232/422/485 Serial **Device Server**



## **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**

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** Stop Bits 1.1.5.2

**Parity Bits** Odd,even,none,space,mark 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

Digital I/O

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

Configuration

**Drivers Supported** Windows® 2000/XP

**Utility Software** Auto-detecting configuration utility Port mapping utility

 Operation Mode Virtual COM port TCP/UDP server data mode

TCP/UDP client data mode, AT command like control mode

Configuration utility Port mapping utility

Console serial command line interface configuration

Web interface configuration

#### **Mechanics**

Enclosure SECC Chassis 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**

90 ~ 260 V<sub>AC</sub>, 47 ~ 63 Hz **Power Input Power Consumption** 10 W (EDG-4516) 8 W (EDG-4508)

### **Environment**

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

# Orderina 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 30 cm RJ-48 to male DB9 RS-232/422/485 cable OPT1D

1702002600 Power Cable US Plug 1.8 M Power Cable EU Plug 1.8 M 1702002605 1702031801 Power Cable UK Plug 1.8 M Power Cable China/Australia Plug 1.8 M 1702031836

Ethernet Switch

Device Server

0 0

PAC & Software

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