EDG-4508+/4508R+
EDG-4516+/4516R+

8-port RS-232/422/485 to Ethernet Data Gateway with Front/Rear Wiring

16-port RS-232/422/485 to Ethernet Data Gateway with Front/Rear Wiring

NEW

EDG-4516R+   EDG-4516+

FCC CE

Features

- Support local console, utility and remote Web configuration
- Support 8 DI/O channels for alarm/event control
- Optional dual power supply mechanism (EDG-4508+/4516+ only)
- Support advanced security mechanism to avoid unauthorized access
- Automatic connection recovery
- Auto-detect 10/100 Mbps Ethernet interface
- Status LEDs for all ports Tx/Rx, mode and power
- Windows native COM port compatible drivers
- Rear Wiring (EDG-4508R+ and EDG-4516R+)

Introduction

EDG-4508+ and EDG-4516+ are industrial-grade network-based serial device servers for connecting up to 8 or 16 RS-232/422/485 devices, such as CNCs, PLCs, scales and scanners, directly to a TCP/IP network (Ethernet or Internet). Compared with similar products on the market, EDG-4508+ and EDG-4516+ has a low cost, but offer high performance with dual CPUs.

EDG-4508+ and EDG-4516+ provides many advanced features for both local and remote configuration through a software utility, V.24 console and the Web. To allow extra control, EDG-4508+ and EDG-4516+ have built-in 4 digital input and 4 digital output channels on their back side. To enhance their reliability as device servers, EDG-4508+ and EDG-4516+ supports a redundant power mechanism for future expansions.

Both EDG-4508+ and EDG-4516+ supports 10/100 Mbps Ethernet connections for higher bandwidth, lower traffic impact and more layout flexibility. With Tx/Rx LEDs for all ports and LEDs for mode and power on the front panel; operation, administration and maintenance are simplified.

*In default, only one power supply is included.

Specifications

Hardware

- **I/O Controller**   16C954 or compatible (auto hardware flow control)
- **Connector Type**   Network: RJ-45
                         Serial: RJ-48

Interface

- **Network**   10/100Base-T
- **Serial**   RS-232/422/485
- **Signals**   TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND

Performance

- **Speed**   50 bps ~ 230.4 kbps
- **Max. No. of Ports**   256

Configuration

- **Data Bits**   5, 6, 7, 8
- **Stop Bits**   1, 1.5, 2
- **Parity**   None, even, odd, space, mark

I/O Type: 4 DI & 4 DO

- **Digital Input**   Dry contact
                         Logic level 0: close to GND
                         Logic level 1: open
- **Digital Output**   Open collector to 30 V, 200 mA max. load
- **OS**   Windows® 98/NT/2000/XP

Power and Environment

- **Power Requirements**   90 ~ 260 V_{AC}, 47 ~ 63 Hz(optional dual power supply)
- **Operating Temperature** 0 ~ 55° C (32 ~ 131° F)
- **Surge Protection**   15,000 V_{ESD}

Ordering Information

- **EDG-4508+**   8-port RS-232/422/485 to Ethernet Data Gateway (1 pc of 30 cm RJ-48 to male DB9 RS-232/422/485 cable included)
- **EDG-4516+**   16-port RS-232/422/485 to Ethernet Data Gateway (1 pc of 30 cm RJ-48 to male DB9 RS-232/422/485 cable included)
- **EDG-4508R+**   8-port RS-232/422/485 to Ethernet Data Gateway with Rear Wiring (1 pc of 30 cm RJ-48 to male DB9 RS-232/422/485 cable included)
- **EDG-4516R+**   16-port RS-232/422/485 to Ethernet Data Gateway with Rear Wiring (1 pc of 30 cm RJ-48 to male DB9 RS-232/422/485 cable included)
- **Opt1A**   1m RJ-48 to male DB9 RS-232/422/485 cable

Applications

- Industrial/Factory automation
- SCADA systems
- Telecommunications
- Automatic warehouse control
- Building automation
- Self-service banking systems
- Large scale retail systems

1 Software
2 IPPC
3 TPC
4 FPM
5 ATM & AWS
6 DA&C
7 cPCI
8 ADAM-3000
9 Motion Control
10 ICOM
11 eConnectivity
12 UNO
13 ADAM-4000
14 ADAM-5000
15 ADAM-6000
16 ADAM-8000
17 BAS