EDG-4504

1 IPPC & AWS

2 TPC

3 FPM

4 ATM

5 DA&C

6 cPCI

7 ADAM-3000

8 eConnectivity

9 ICOM

10 Software

11 UNO-2000/3000

12 VBOX

13 ADAM-4000

14 ADAM-5000

15 ADAM-6000

16 ADAM-8000

Features

- Automatic network connection recovery
- Auto-detects 10/100 Mbps Ethernet interface
- Supports an advanced security mechanism to avoid unauthorized access
- Tx/Rx LEDs for all ports to monitor data transmission
- Convenient and simple installation wizard
- Simple setup and configuration

FCC CE

Introduction

The EDG-4504 is an industrial-grade, network-based, serial device server for connecting four RS-232/422/485 devices, such as CNCs, PLCs, scales, and scanners, directly to a TCP/IP network (Ethernet or Internet). Compared to similar devices on the market, it has a lower cost, great performance, and the most advanced features. Both 10 Mbps and 100 Mbps Ethernet connections are supported, providing higher bandwidth, lower traffic impact, and more layout flexibility.

Specifications

Hardware

- **I/O Controller**   16C954 or compatible (auto hardware flow control)
- **Memory**   4 MB (4 ports)
- **Connector Type**   DB9

Interface

- **Network**   10/100Base-T (10/100 Mbps)
- **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 (per Windows NT)

Configuration

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

OS supported

- **EDG-4504**   Windows 98/NT/2000/XP

Power and Environment

- **Power requirements**   10 ~ 30 V_{DC}
- **Operating Temperature**   0 ~ 55° C (32 ~ 131° F)
- **S**urge Protection   15,000 V_{ESD}

Ordering Information

- **EDG-4504**   4-port RS-232/422/485 to Ethernet Data Gateway

Applications

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