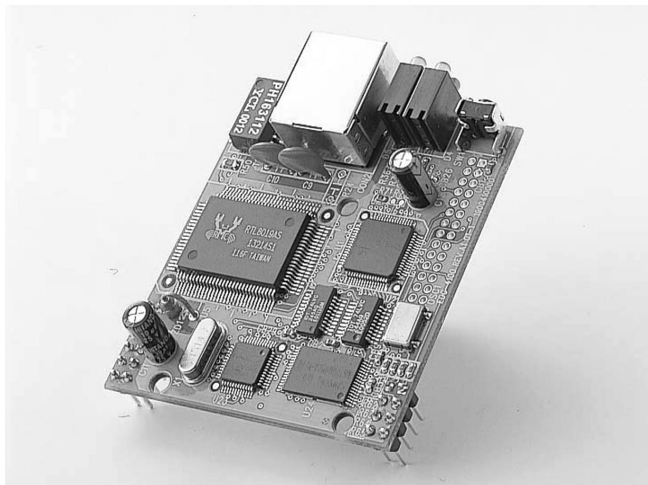


EDG-4100

1-port RS-232 to Ethernet Data Gateway Board



FCC CE

Features

- Supports 10/100Base-T Ethernet standard
- Supports high transmission speed up to 230 Kbps
- Supports LED indicators for easy diagnosis
- Provides RS-232 interfaces
- Supports TCP/IP protocol
- Provides 8 universal digital inputs/outputs for emergent ON/OFF control
- Easy configuration via utility
- Easy to mount through backside PIN connectors

Introduction

The EDG-4100 is a fast and cost-effective networking-enabled board module. It enables nearly any device to communicate over the Internet and shared networks, and it allows those devices to be remotely monitored, managed, and controlled. Functionally transparent and efficient, the EDG-4100 provides complete software and hardware for users. The EDG-4100 eliminates the need for OEMs and systems integrators to invest engineering resources to develop Ethernet networking solutions, and reduces the time it takes to bring intelligent devices to market. Thus, the EDG-4100 is especially suitable for remote management and data accessibility to thousands of devices that cannot connect to the network such as factory machinery, security systems, heating and ventilation systems, lighting control systems and Point-of-Sale devices.

The EDG-4100 is a 54 x 59 mm Ethernet-enabled board, so it can easily fit into almost any device. Pin headers is provided to connect LAN, DI/O, power and RS-232 into your boards, for a quick and cost-effective to connect the system to the Internet. There are also 8 DI/O, which provides additional flexibility.

The EDG-4100 replaces expensive dedicated PCs or lengthy serial cables with fast and reliable networking technology.

Specifications

- | | |
|--------------------------------|--|
| ▪ Protocol | TCP/IP |
| ▪ Compatibility | IEEE 802.3, IEEE 802.3u |
| ▪ Interface | Network: 10/100Base-T Ethernet
Serial: RS-232 |
| ▪ Port | 1 Independent RS-232 |
| ▪ Connector | Network: RJ-45 or 4 pin header
Serial: 8 pin header |
| ▪ DI/O | 4 DI, 4 DO |
| ▪ Transmission speed | 50 bps to 230 Kbps |
| ▪ Parity bit | odd, even, none, space, mark |
| ▪ Data bit | 5, 6, 7, 8 |
| ▪ Stop bit | 1, 1.5, 2 |
| ▪ Diagnostic LEDs | Network: Tx/Rx, Link, Speed |
| ▪ Utility Software | Configuration utility
Port mapping utility |
| ▪ Driver Supported | Windows® 98/NT/2000/XP |
| ▪ Power Requirements | 5 V _{DC} ±5 % |
| ▪ Power Consumption | 0.6 W @ 10 M, 0.9 W @ 100 M |
| ▪ Operating Temperature | 0 ~ 60° C (32 ~ 140° F) |
| ▪ Storage Temperature | -20 ~ 80° C (-4 ~ 176° F) |
| ▪ Operating Humidity | 20 ~ 95% (non-condensing) |
| ▪ Storage Humidity | 0 ~ 95% (non-condensing) |

Ordering Information

- | | |
|-------------------|--|
| ▪ EDG-4100 | 1-port RS-232 to Ethernet Data Gateway Board |
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