Bridging the Gap between Real World and Computer

EMC-8432/85 New

Software key function

Ethernet Module to RS232/422/485 Converter

Features

- ▶ Over-voltage protection on digital input
- ▶ Various IO combinations : 8-bit configurable I/O's, any bit can be input or output
- ▶ High drive capacity on digital output
- ▶ Isolated RS422/485 to Ethernet (EMC-8485)
- ▶ RS232 to Ethernet (EMC-8432)
- ▶ Baudrate up to 921.6K
- ▶ Wide power range
- ▶ 10/100M auto detection

Introduction

EMC-8432 is an ethernet communication module for RS232, while EMC-8485 for RS422/RS485.

The EMC-8485 has isolated differential signals for better long distance connection.

All The module has 8-bit I/O's, any I/O can be as TTL level input or enhanced drive capacity output [500mA(peak),45Vdc(max)].

The module also provide the software counter function for any TTL input up to 200Hz(5ms) counting speed.

Dll is provided for WIN 2000/XP, WIN 7 and later or LINUX platform and sample programs come with VB source code.

Applications

- ▶ For RS232/422/485 to ethernet conversion
- ▶ For ethernet to RS232/422/485 conversion

Software Support

▶ **PC OS Support**

Windows 2000/XP, WIN 7 and later or Linux O.S.
Embedded XP, Win CE (at request)

▶ **Library**

DLLs, VI library

▶ **Develop Software**

Visual C++, Visual Basic,
Borland C/C++ Builder, LabVIEW etc

▶ **Example Source Code**

Visual Basic

Ordering Information

- ▶ **EMC-8432 :** Ethernet module to RS232 (8 TTL IO) Module (include M23406)
- ▶ **M23406 :** 9-pin D type male cable 10cm
- ▶ **EMC-8485 :** Ethernet module to RS422/485 (8 TTL IO) Module
- ▶ **JD52000 :** 110/220Vac to 24Vdc @1.5A power supply
- ▶ **JS52026 :** 110/220Vac to 24Vdc @0.75A power adapter

Specifications

EMC-8432

- ▶ Baudrate : 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200, 921600
- ▶ Data Bits : 5, 6, 7, 8
- ▶ Stop Bits : 1, 1.5
- ▶ Parity : None, Even, Odd

EMC-8485

- ▶ Isolation : magnetic coupler
- ▶ Baudrate : 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200, 921600
- ▶ Data Bits : 5, 6, 7, 8
- ▶ Stop Bits : 1, 1.5
- ▶ Parity : None, Even, Odd

Digital Input

- ▶ Input points : max 8(Configurable)
- ▶ Logic high level : 3.15V(min)
- ▶ Logic low level : 1.35V(max)
- ▶ Over-voltage protection : 60Vdc(max)
- ▶ Over-current protection : 50ma(max)

Digital Output

- ▶ Transistor output : max 8(Configurable)
- ▶ Transistor capacity : 500mA(peak), 45Vdc(max)

Ethernet

- ▶ 10/100M auto switch x 2 port

General

- ▶ Power Requirement : 12Vdc ~24Vdc
- ▶ Operation Temperature : 0 $^\circ$C ~ +70 $^\circ$C
- ▶ Storage Temperature : -20 $^\circ$C ~ +80 $^\circ$C
- ▶ Operation Humidity : 5~95% RH, non-condensing
- ▶ Dimensions : 107.6(D)*135.8(W)*34(H)mm
  4.3(D)*5.4(W)*1.4(H)in

Ethernet Module Series