EMD-8216 *New*

Ethernet Module
Digital I/O

CE
RoHS

Software key function

Features

➤ **Over-voltage protection on digital input**
➤ **Various IO combinations : 16-bit configurable I/O's, any bit can be input or output**
➤ **High drive capacity on digital output**
➤ **WDT for communication discontinuity detect**
➤ **IP Re-Assignment**
➤ **Input counter function**
➤ **Wide power range**
➤ **Standalone mode : step sequence control**

Introduction

EMD-8216 is an Ethernet digital I/O module. The module has 16-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.

I/O signals polarity can be changed by software.

To work as a standalone controller, users can configure the step sequence by the demo program or via their application and download the step sequences to the module. It will store on the non-volatile memory and run the programmed steps while standalone mode is enabled.

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

Specifications

Digital Input
➤ Input points : max 16(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 16(Configurable)
➤ Transistor capacity : 500mA(peak), 45Vdc(max)

Ethernet
➤ 10/100M auto switch x 2 Port
➤ WDT : 1~65535ms for communication discontinuity detect

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

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

Applications

➤ For remote contact sensing
   window or door open/close signal sensing
   alram signal sensing
   fire detector signal sensing
➤ For remote contact make or break control
   window or door open close control
   light control
   Power on/off control

Ordering Information

➤ **EMD-8216 :** Ethernet module, 16 I/O
➤ **JD52000 :** 110/220Vac to 24Vdc @1.5A power supply
➤ **JS52026 :** 110/220Vac to 24Vdc @0.75A power adapter

Ethernet Module Series