

# Bridging the Gap between Real World and Computer

**EMD-7216**



**New**



**Software key function**

## Ethernet Module Configurable Digital I/O

### 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
- ▶ Wide power range

### Introduction

EMD72016 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.

It can work as a stand alone web server to provide control directly by web page . It also provide password to prevent un-authorized change.

### 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
- ▶ WDT: 1~65535ms for communication discontinuity detect

#### General

- ▶ Power requirement : 12Vdc ~24Vdc
- ▶ Operation Temperature : 0 to +70 degree C
- ▶ Storage Temperature : -20 to +80 degree C
- ▶ Operation Humidity : 5~95% RH, non-condensing
- ▶ Dimensions : 89(D)\*110(W)\*34(H) mm  
3.5(D)\*4.33(W)\*1.39(H)in

### Software Support

#### ▶ PC OS Support

Windows 2000/XP and later.  
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
  - alarm 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-7216** : Ethernet module, 16 I/O
- ▶ **JD52000** : 110/220Vac to 24Vdc @1.5A power supply
- ▶ **JS52026** : 110/220Vac to 24Vdc @0.75A power adapter