



Bridging the Gap between Real World and Computer



EMD-7201-4/8/T   

**Ethernet Module
Digital I/O**



 **Software key function**

Features

- ▶ Over-voltage and over-current protection on digital input
- ▶ Various IO combinations
 - 4 TTL input and 4 relay output for EMD7201-4,
 - 8 TTL input and 8 relay output for EMD7201-8,
 - 8 TTL input and 8 Transistor output for EMD7201-T
- ▶ IP Re-Assignment, Direct web page control
- ▶ Wide power range (for EMD7201-T)
- ▶ Input counter function

Introduction

EMD7201 is an ethernet digital I/O module. All the TTL input provide with different options, 4 TTL inputs and 4 relay outputs, 8 TTL inputs and 8 relay outputs or 8 TTL inputs and 8 Transistor outputs.

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 : 4 for EMD7201-4
8 for EMD7201-8, EMD7201-T
- ▶ Logic high level : 3.15V(min)
- ▶ Logic low level : 1.35V(max)
- ▶ Over-voltage protection : 60Vdc(max)
- ▶ Over-current protection : 50ma(max)
- ▶ Counter input : any digital input
- ▶ Counter speed : 200Hz (max) square wave

Digital Output

- ▶ Relay output points : 4 for EMD7201-4
8 for EMD7201-8
- ▶ Relay capacity : 3A@250Vac, 3A @30Vdc
- ▶ Transistor output : 8 for EMD7201-T
- ▶ Transistor capacity : 500ma(peak), 45Vdc(max)

Ethernet

- ▶ 10/100M auto switch

General

- ▶ Power requirement :
24Vdc for EMD7201-4, EMD7201-8
12Vdc ~24Vdc for EMD7201-T
- ▶ 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

Ordering Information

- ▶ **EMD-7201-4** : Ethernet module, 4 TTL input 4 relay output
- ▶ **EMD-7201-8** : Ethernet module, 8 TTL input 8 relay output
- ▶ **EMD-7201-T** : Ethernet module, 8 TTL input 8 transistor output
- ▶ **JD52000** : 110/220Vac to 24Vdc @1.5A power supply
- ▶ **JS52026** : 110/220Vac to 24Vdc @0.75A power adapter

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