



Bridging the Gap between Real World and Computer



EMD-8204/8 **New**



Software key function

Ethernet Module Digital I/O

Features

- ▶ Over-voltage and over-current protection on digital input
- ▶ Various IO combinations
 - 4 photo isolated input and 4 relay output (EMD-8204)
 - 8 photo isolated input and 8 relay output (EMD-8208)
- ▶ IP Re-Assignment, Direct web page control
- ▶ Input counter function

Introduction

EMD-8204/8 is an Ethernet digital I/O module. All the photo isolated input provide with different options, 4 Photo isolated inputs and 4 relay outputs, 8 Photo isolated inputs and 8 relay outputs or 8 photo isolated inputs and 8 Transistor outputs.

The module als 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.

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

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

- ▶ EMD-8204 : Ethernet module, 4 photo isolated input
4 Relay output
- ▶ EMD-8208 : Ethernet module, 8 photo isolated input
8 Relay output
- ▶ JD52000 : 110/220Vac to 24Vdc @1.5A power supply
- ▶ JS52026 : 110/220Vac to 24Vdc @0.75A power adapter

Specifications

Digital Input

- ▶ Photo isolated input : 4 (EMD-8204)
8 (EMD-8208)
- ▶ 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 (EMD-8204)
8 (EMD-8208)
- ▶ Relay capacity : 3A@250Vac, 3A @30Vdc
- ▶ Transistor capacity : 500ma(peak), 45Vdc(max)

Ethernet

- ▶ 10/100M auto switch x 2 port

General

- ▶ Power requirement : 24Vdc
- ▶ Operation Temperature : 0 °C ~ +70 °C
- ▶ Storage Temperature : -20 °C ~ +80 °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

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