

# EDAM-4260

7 digital input channels and 4 Relay output channels module



## Main Features

- ◆ 2-ports(RJ-45) Ethernet 10/100 Based-T Comm.
- ◆ Daisy chain connection with auto-bypass protection
- ◆ Support Modbus/TCP,TCP/IP,UDP,ICMP,ARP
- ◆ Support Automatic DIO Sync.(peer-to-peer).
- ◆ DO Auto-Off Time Mode.
- ◆ Support 3 Form-C and 1 Form-A Relay output.
- ◆ Support 7 Isolated digital Input channels(Dry/Wet)
- ◆ DI Fully Photo-Isolation 3750Vrms
- ◆ Protocol: ASCII Format & Modbus TCP

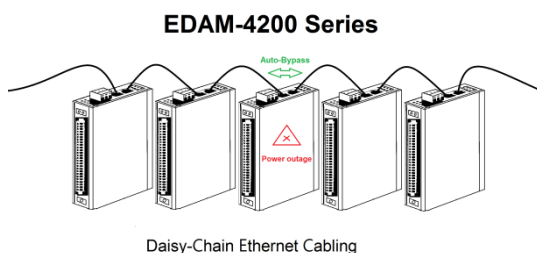
## Introduction

The EDAM-4260 is a high-density I/O module built-in two ports(RJ-45) 10/100 based-T interface for seamless Ethernet connectivity. It provides 7 isolated digital input channels and 4 relay output channels(0.6A/125Vac, 2A/30Vdc). All of the Digital Input channels support input latch function for important signal handling. Mean while, these DI channels allow to be used as 300Hz counter. All relay output channels are differential with individually common . Opposite to the intelligent DI functions, the EDAM-4260 Digital Output channels also support Auto-Off Time of digital output and DIO Synchronization function.

## Features

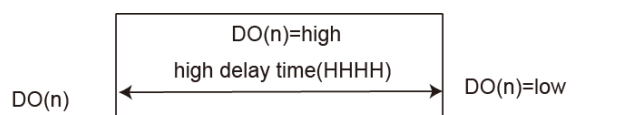
### ◆ Daisy Chain Networking and Auto-Bypass Protection

Daisy chain connectivity offers flexible cabling and space saving capabilities. With Ethernet auto-bypss function supported, it prevents accidental power failure if one of the module's unexpectedly shuts down.

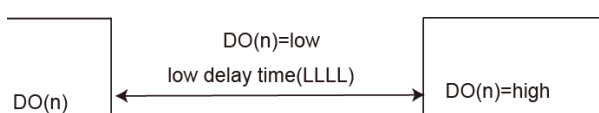


### ◆ DO Auto-Off Time Mode.

#### ✓ Low to High DO(n) pulse output

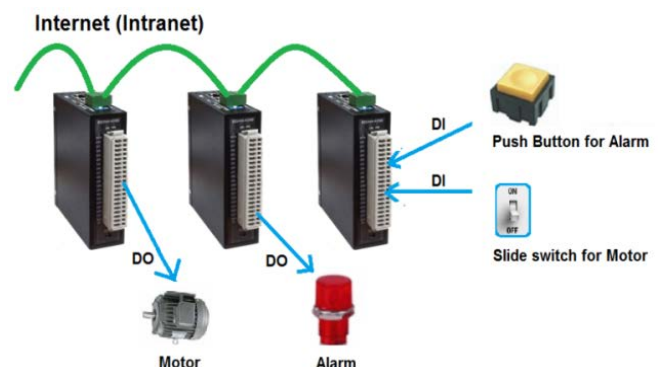


#### ✓ High to Low DO(n) pulse output

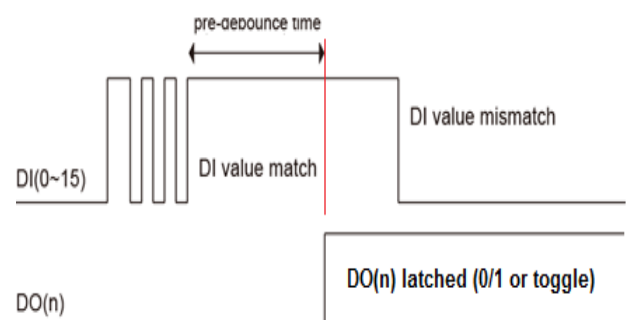


### ◆ Automatic DIO Synchronization (peer-to-peer)

EDAM-4260 module also provide a Automatic DIO Synchronization function. With peer-to-peer networking, users can define the mapping between a pair of EDAM-4200 series modules so that input values will be directly transferred to output channels. A single digital output channel (Local/Remote device) is activated(1/0 or toggle) dependent on the digital input channels state data pattern. When the specified DI channels state data pattern changed from "Match" to "Not-match" the corresponding DO will be set to active(1 or 0).



### ✓ DIO Synchronization: DI match/mismatch DO latch mode



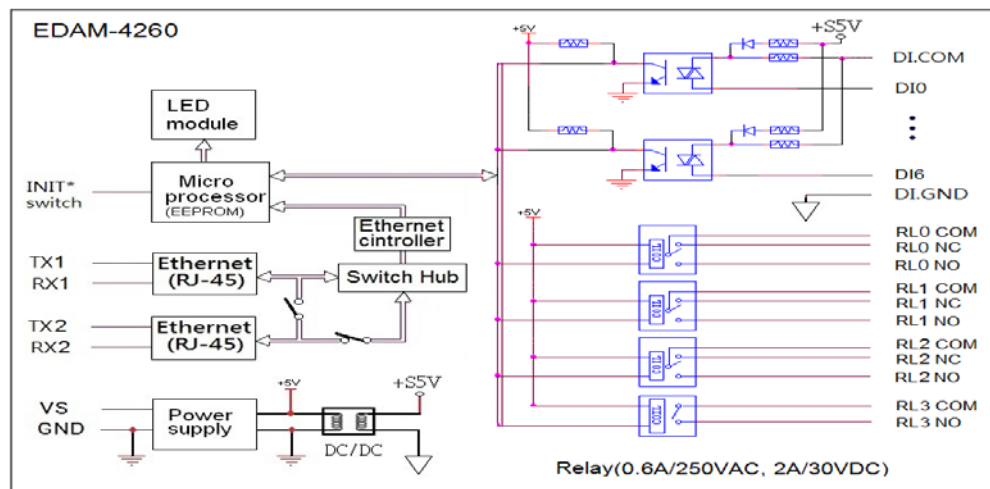
## Specifications

- ◆ Interface: 2-port(RJ45) Ethernet 10/100 Based-T comm.
- ◆ COMM.: Support TCP/IP, UDP, ICMP, ARP
- ◆ Daisy chain connection with auto-bypass protection
- ◆ Protocol: ASCII Format , Modbus/TCP
- ◆ Isolation Digital Input: Single ended (Wet/Dry contact)
  - Channel: 7 channels (DI0~DI6)
  - Input Level: Logic level status can be inverted via ASCII/Modbus command.
  - Dry Contact :
    - ✓ Logic level 0 (active) : Close to GND
    - ✓ Logic level 1 (inactive) : Open
  - Wet Contact :
    - ✓ Logic level 0 (active) : +5V to +30VDC max
    - ✓ Logic level 1 (inactive) : +2VDC max
  - Input Impedance: 2K ohm(Wet Contact)
  - Counter input: 300Hz counter input (32-bit + 1-bit overflow)
  - Optical Isolation Voltage: 3750Vrms
- ◆ Relay Output :
  - Output channels : 4 relay output channels ( 3 Form C(SPDT) and 1 Form A(SPST NO) ).
  - Surge strength : 500V
  - Relay contact rating : 0.6A/125Vac, 2A/30Vdc
  - Operate Time : 3mS max.
  - Release Time : 2mS max.
  - Min Life : 5\*10<sup>5</sup> ops
  - Each channel supports 300Hz pulse output
- ◆ Display:
  - Command status LED indicator.
  - 7 digital inputs & 4 relay output status LED
- ◆ Power Requirement:
  - Power Consumption: 3.6 W (Typical)
  - Power Input: +10 ~ +30 VDC
- ◆ Operating temperature: -10 ~ 70 ° C (14 ~ 158 ° F)
- ◆ Storage temperature : -25 ~ 85 ° C (13 ~ 185 ° F)
- ◆ Humidity: 5 ~ 95% RH, non-condensing

## Ordering Information

EDAM-4260: 7-ch DI & 4-ch Relay TCP Module..

## Block Diagram



## Wire Connection

