

# EDAM-9051

Ethernet-based 14-ch isolated digital I/O DI/O with 2-ch counter module



## Features

- ◆ Support protocol Modbus/TCP, TCP/IP, UDP, ICMP, ARP
- ◆ Ethernet 10/100 Based-T communication
- ◆ Support isolated input/output channels
- ◆ Support counter/frequency inputs
- ◆ Provide pulsed/delay output mode
- ◆ Built-in 2-ch high speed counters
- ◆ Fully photo-isolation 2500Vrms
- ◆ Support dry/wet contact inputs
- ◆ Built-in TVS/ESD protection

## Specifications

### Interface:

Communication Protocol	10/100 Based-T Ethernet Modbus/TCP, TCP/IP, UDP, ICMP and ARP
LED indication	LED for Power, Ethernet and 14 LEDs as Digital indicators
Isolation voltage	3000VDC

### Digital input:

Input channels	12
Input type	Dry contact logic level 0: Close to ground logic level 1: Open Wet contact logic level 0: 0~2Vdc logic level 1: 5~30Vdc
Counter/Frequency	Each channel supports 1KHz counter or frequency input

### Counter :

Channels	2 (32-bit)
Maximum count	4294,967,295
Frequency range	0.2~4,500Hz(Frequency mode) 0~4,500Hz(counter mode)

### Digital Output :

Channels	2
Sink type	Open collector to 50V, 500mA (maximum load)
Pulse output	Each channel supports 1KHz pulse output
Hi-to-Lo/Lo-to-Hi delay	Each channel supports high to low or low to high delay output

### Power requirement :

Consumption	2.0W
Power input	10~30VDC (unregulated)
Humidity	5 ~ 95% RH, non-condensing

### Block diagram

