

# EDAM-9017



## Features

- ◆ Support Protocol Modbus/ TCP, TCP/IP, UDP, ICMP, ARP
- ◆ Provide Two Digital Outputs (Open Collector)
- ◆ Ethernet 10/100 Based-T Communication
- ◆ Support Isolated Input Channels
- ◆ Support  $\pm V$ ,  $\pm mV$ , mA Analog Input
- ◆ Fully Photo-Isolation 3750Vrms
- ◆ Built-In TVS/ESD Protection
- ◆ Wide Supply Voltage (10~30V)

## Specifications

### Interface:

Communication Protocol	10/100 Based-T Ethernet Modbus/TCP, TCP/IP, UDP, ICMP and ARP
LED Indication	LED for power and Ethernet link status
Isolation Voltage	3000VDC

Accuracy	$\pm 0.05\%$ or better
Zero Drift	$\pm 20\mu V/^\circ C$
Span Drift	25 ppm/ $^\circ C$
CMRR	50/60 Hz: 92 dB
Over Voltage Protection	$\pm 60V$
Burn-Out	Wire burn-out auto detection

### Analog Input:

Effective Resolution	16-bit
Input Channels	8 differential
Input Type	mV, V, mA
Input Range	$\pm 150mV$ , $\pm 500mV$ , $\pm 1V$ , $\pm 5V$ , $\pm 10V$ , 0-20mA, 4-20mA
Isolation Voltage	2500Vrms
Fault and Overvoltage Protection	Withstands overvoltage up to $\pm 35V$
Sampling Rate	10 samples/sec
Input Impedance	20M $\Omega$
Bandwidth	13.1Hz, 50Hz, 15.72Hz, 60Hz

### Digital Output :

Channels	2
Sink Type	Open collector to 50V, 500mA (Maximum Load)
Power Dissipation	300mW max. for each module

### Power Requirement :

Consumption	2.2W
Power Input	10~30VDC (unregulated)
Humidity	5 ~ 95% RH, non-condensing

## Block Diagram

