

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	Accuracy	$\pm 0.05\%$ or better
LED Indication	LED for power and Ethernet link status	Zero Drift	$\pm 20 \mu V / ^\circ C$
Isolation Voltage	3000VDC	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 Ω
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

