

EDAM-9015

Ethernet-Based 7-ch RTD Input Module



Features

- ◆ Support PT100, PT1000, Balco 500, NI604, NI1000 RTD Types
- ◆ Support Protocol Modbus/TCP, TCP/IP, UDP, ICMP, ARP
- ◆ Ethernet 10/100 Based-T Communication
- ◆ Support Isolated Input Channels
- ◆ Fully Photo-Isolation 3750Vrms
- ◆ Wide Supply Voltages (10~30V)
- ◆ Built-In TVS/ESD Protection
- ◆ Burn-Out Auto Detection

Specifications

Interface:

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

CMRR 50/60 Hz: 150 dB
 NMR 50/60 Hz: 100 dB
 Burn-Out Wire burn-out auto detection
 Over Voltage Protection $\pm 60V$

Analog Input:

Effective Resolution 16-bit
 Input Channels 7 differential
 Input Type PT100, PT1000, Balco 500, NI604, NI1000
 Isolation Voltage 2000V
 Sampling Rate 12 samples/sec
 Input Impedance 20M Ω
 Accuracy $\pm 0.05\%$ or better
 Resolution 16-bit
 Zero Drift $\pm 0.5\mu V/^\circ C$
 Span Drift $\pm 20\mu V/^\circ C$

Power Requirement :

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

Block Diagram

