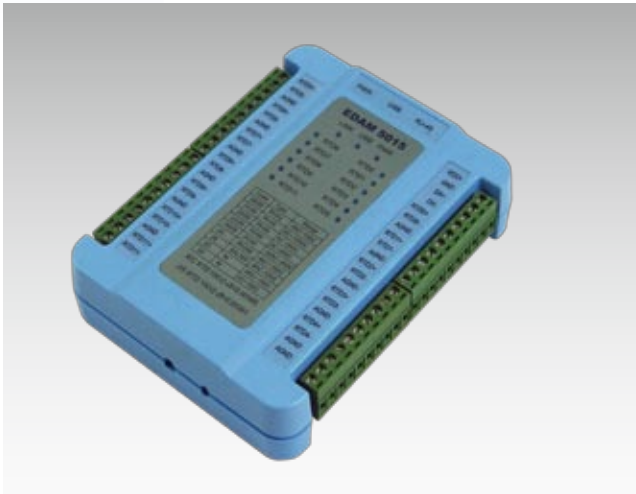


EDAM-5015

12-CH RTD Input Module



Features

- ◆ Protocol USB2.0 TCP/IP, MODBUS RTU, MODBUS TCP ASCII Command
- ◆ Support USB 2.0, 10/100 Ethernet, RS485/232C, CAN(Optional)
- ◆ Support PT100, PT1000, Balco 500, NI604, NI1000 RTD Types
- ◆ 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	USB 2.0, 10/100 Ethernet, RS485/232C, CAN (optional)
Protocol	TCP, UDP, DHCP, ARP, MODBUS RTU, MODBUS TCP ASCII Command
LED Indication	LED for Power , USB and Ethernet link status
Isolation Voltage	3000VDC

Isolation Voltage	2000V
Sampling Rate	100 Samples / Second
Input Impedance	10MΩ
Accuracy	±0.05% or better
Zero Drift	±20uV/ °C
Span Drift	25 ppm/ °C
CMRR	50/60 Hz: 150dB
NMR	50/60 Hz: 100dB
Burn-Out	Wire burn-out auto detection
Over Voltage Protection	±60V

Analog Input:

Effective Resolution	16-Bit
Input Channels	12 Channel RTD input (2-wires, 3-wires, 4-wires)
Input Type	PT100, PT1000, Balco 500, NI RTD
Input Range	PT100 (-50°C~150°C /0°C~100 °C, 0~200 °C, 0~400°C, -200°C~200°C, PT1000 (-40°C~160°C) Balco 500(-30°C~120°C) Ni604 (-80°C~100°C) Ni1000 (-0°C~100°C)

Power Requirement :

Consumption	1.5W/ Typical, 2W/max
Power Input	USB powered (400mA max.) or external unregulated +10~+30VDC
Humidity	5 ~ 95% RH, non-condensing

Block Diagram

