ADAM-6015

7-ch Isolated RTD Input Module

General

- **Certification:** CE, FCC, UL
- **LAN:** 10/100Base-T(X)
- **Connectors:**
  - 1 x RJ-45 (LAN)
  - 2 x plug-in terminal blocks (#14 ~ 28 AWG)
- **Power Input:** 10 ~ 30 VDC
- **Power Consumption:** 2.5 W @ 24 VDC
- **Watchdog Timer:** System (1.6 s) & Communication
- **Supports Peer-to-Peer**
- **Supports GCL**
- **Supports Modbus/TCP, TCP/IP, UDP, RESTful Protocols**

Protection

- **Isolation Protection:** 2000 VDC
- **Built-in TVS/ESD Protection**
- **Power Reversal Protection**

Environment

- **Operating Humidity:** 20 ~ 95% RH (non-condensing)
- **Storage Humidity:** 0 ~ 95% RH (non-condensing)
- **Operating Temperature:** -10 ~ 70°C (14 ~ 158°F)
- **Storage Temperature:** -20 ~ 80°C (-4 ~ 176°F)

RTD Input

- **Channels:** 7 differential
- **Input Connections:** 2, 3-wire
- **Input Impedance:** >10 MΩ
- **Input Type:** Pt, Balco and Ni RTD
- **RTD Types and Temperature Ranges:**
  - **Pt100:** -50~150°C
    0~100°C
    0~200°C
    0~400°C
    -200~200°C
  - **Pt1000:** -40~160°C
  - Supports both IEC 60751 ITS90 (0.0385 W/W/°C) and JIS C 1604 (0.0392 W/W/°C)
  - **Balco (500):** -30~120°C
  - **Ni (518):** -80~100°C
    0~100°C
- **Accuracy:**
  - **Normal mode:** ±0.1% or better
  - **High speed mode:** ±0.5% or better
- **Span Drift:** ± 25 ppm/°C
- **Zero Drift:** ± 6 µV/°C
- **Sampling Rate:**
  - **Normal mode:** 10 samples/sec (total)
  - **High speed mode:** 1K samples/sec (total)
- **CMR @ 50/60 Hz:** 90 dB *(see note)*
- **NMR @ 50/60Hz:** 60 dB *(see note)*
- **Wire Burnout Detection**

Note: High speed mode does not support CMR/NMR