

ADAM-6018+

8-ch Isolated Thermocouple Input Module



Analog Input

- **Channels:** 8 differential
- **Input Type:** Thermocouple
- **Thermocouple Type and Range:**
 - J: 0 ~ 760°C
 - K: 0 ~ 1,370°C
 - T: -100 ~ 400°C
 - E: 0 ~ 1,000°C
 - R: 500 ~ 1,750°C
 - S: 500 ~ 1,750°C
 - B: 500 ~ 1,800°C
- **Accuracy @ 25°C:**
 - Type J, K, E, R, S: $\pm 0.1\%$ FSR Max
 - Type B: $\pm 0.15\%$ FSR Max
 - Type T: $\pm 0.2\%$ FSR Max
- **Span Drift:** ± 25 ppm/°C
- **Zero Drift:** ± 6 μ V/°C
- **Resolution:** 16-bit
- **Sampling Rate:** 10 samples/sec (total)
- **Wire Burnout Detection**

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)