ADAM-6117
ADAM-6118

**8-ch Isolated Analog Input
Real-time Ethernet Module**

**8-ch Thermocouple Input
Real-time Ethernet Module**

NEW

ADAM-6117

$_c$UL$_{us}$ LISTED E180881 I.T.E. CE FCC RoHS COMPLIANT 2002/95/EC

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ADAM-6118

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Specifications

Analog Input

- **Channels** — 8 (differential)
- **Input Impedance** — > 10 MΩ (voltage)
  120 Ω (current)
- **Input Type** — mV, V, mA
- **Input Range** — ±150 mV, ±500 mV, ±1 V
  ±5 V, ±10 V, 0-20 mA, 4-20 mA, ±20 mA
- **Span Drift** — ± 30 ppm/° C
- **Zero Drift** — ± 6 µV/° C
- **Resolution** — 16-bit with accuracy ±0.1% or better of FSR (voltage)
  ±0.2% or better of FSR (current)
- **Sampling Rate** — 10 sample/second (total)
- **CMR @ 50/60 Hz** — 92 dB
- **NMR @ 50/60 Hz** — 60 dB
- **High Common Mode** — 200 V_{DC}

Ordering Information

- **ADAM-6117EI** — 8-ch Isolated AI EtherNet/IP Module
- **ADAM-6117PN** — 8-ch Isolated AI PROFINET Module

Specifications

Analog Input

- **Channels** — 8 (differential)
- **Input Impedance** — > 1 MΩ (voltage)
- **Input Type** — mV, V, mA, Thermocouple
- **Temperature Range** — Type: J (-210 ~ 1,200° C), Type K (-270 ~ 1,372° C),
  Type T (-270 ~ 400° C), Type E (-270 ~ 1,000° C),
  Type R (0 ~ 1,768° C), Type S (0 ~ 1,768° C),
  Type B (300 ~ 1,820° C)
- **Span Drift** — ± 30 ppm/° C
- **Zero Drift** — ± 6 µV/° C
- **Resolution** — 16-bit with accuracy ±0.1% or better (voltage or T/C)
  ±0.2% or better (current)
- **Sampling Rate** — 10 sample/second (total)
- **CMR @ 50/60 Hz** — 92 dB
- **NMR @ 50/60 Hz** — 60 dB
- **High Common Mode** — 200 V_{DC}

Ordering Information

- **ADAM-6118EI** — 8-ch Thermocouple Input EtherNet/IP Module
- **ADAM-6118PN** — 8-ch Thermocouple Input PROFINET Module

Common Specifications

General

- **LAN** — 10/100Base-T(X)
- **Power Consumption** — 3 W @ 24 V_{DC}
- **Connectors** — 2 x RJ-45 LAN, (Daisy Chain
  Plug-in screw terminal block (I/O and power)
- **Watchdog** — System (1.6 second) and Communication
  (programmable)
- **Power Input** — 10 ~ 30 V_{DC}

Protection

- **Isolation Protection** — 2,500 V_{DC}
- **Built in TVS/ESD Protection**
- **Power Reversal Protection**

Environment

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