

# ADAM-6117

# ADAM-6118

8-ch Isolated Analog Input  
Real-time Ethernet Module

7-ch Thermocouple Input  
Real-time Ethernet Module

NEW



ADAM-6117



## Specifications

### Analog Input

- Channels 8 (differential)
- Input Impedance > 10 M $\Omega$  (voltage)  
120  $\Omega$  (current)
- Input Type mV, V, mA
- Input Range  $\pm 150$  mV,  $\pm 500$  mV,  $\pm 1$  V  
 $\pm 5$  V,  $\pm 10$  V, 0-20 mA, 4-20 mA,  $\pm 20$  mA
- Span Drift  $\pm 30$  ppm/ $^{\circ}$  C
- Zero Drift  $\pm 6$   $\mu$ V/ $^{\circ}$  C
- Resolution 16-bit with accuracy  $\pm 0.1\%$  or better of FSR (voltage)  
 $\pm 0.2\%$  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<sub>DC</sub>

## Ordering Information

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

NEW



ADAM-6118



## Specifications

### Analog Input

- Channels 7 (differential)
- Input Impedance > 1 M $\Omega$  (voltage)
- Input Type mV, V, mA, Thermocouple
- Temperature Range Type: J (-210 ~ 1,200 $^{\circ}$  C), Type K (-270 ~ 1,372 $^{\circ}$  C),  
Type T (-270 ~ 400 $^{\circ}$  C), Type E (-270 ~ 1,000 $^{\circ}$  C),  
Type R (0 ~ 1,768 $^{\circ}$  C), Type S (0 ~ 1,768 $^{\circ}$  C),  
Type B (300 ~ 1,820 $^{\circ}$  C)
- Span Drift  $\pm 30$  ppm/ $^{\circ}$  C
- Zero Drift  $\pm 6$   $\mu$ V/ $^{\circ}$  C
- Resolution 16-bit with accuracy  $\pm 0.1\%$  or better (voltage or T/C)  
 $\pm 0.2\%$  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<sub>DC</sub>

## Ordering Information

- ADAM-6118EI 7-ch Thermocouple Input EtherNet/IP Module
- ADAM-6118PN 7-ch Thermocouple Input PROFINET Module

## Common Specifications

### General

- LAN 10/100Base-T(X)
- Power Consumption 3 W @ 24 V<sub>DC</sub>
- 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<sub>DC</sub>

### Protection

- Isolation Protection 2,500 V<sub>DC</sub>
- Built in TVS/ESD Protection
- Power Reversal Protection

### Environment

- Operating Temperature -10 ~ 70 $^{\circ}$  C (14 ~ 158 $^{\circ}$  F)
- Storage Temperature -20 ~ 80 $^{\circ}$  C (-4 ~ 176 $^{\circ}$  F)
- Operating Humidity 20 ~ 95% RH (non-condensing)
- Storage Humidity 0 ~ 95% RH (non-condensing)