

ADAM-6117

ADAM-6160

8-ch Isolated Analog Input Real-time Ethernet Module

6-ch Relay Real-time Ethernet Module



ADAM-6117

FCC CE RoHS COMPLIANT PRODUCT

Specifications

Analog Input

- Channels 8 (differential)
- Input Impedance > 10 M Ω (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/ $^{\circ}$ C
- Zero Drift ± 6 μ V/ $^{\circ}$ C
- Resolution 16-bit
- Accuracy $\pm 0.1\%$ of FSR (Current) at 25 $^{\circ}$ C
 $\pm 0.2\%$ of FSR (Current) at 25 $^{\circ}$ C
- Sampling Rate 10 sample/second (total)
- CMR @ 50/60 Hz 92 dB
- NMR @ 50/60 Hz 67 dB
- High Common Mode 200 V_{DC}

Ordering Information

- ADAM-6117E1 8-ch Isolated AI EtherNet/IP Module



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Specifications

Relay Output

- Channels 5 Form C and 1 Form A
- Contact Rating (Resistive) 250 V_{AC} @ 5A
30 V_{DC} @ 5A
- Max. Switching Voltage 400 V_{AC}
300 V_{DC}
- Breakdown Voltage 500 V_{AC} (50/60Hz)
- Max. Breakdown Capacity 1250 VA
- Frequency of Operation 360 operations/hour with load
72,000 operations/hour without load
- Set/Reset Time 8 ms/8 ms
- Mechanical Endurance > 15 x 10⁶ operations
- Isolation between Contact 1000 V_{rms}
- Insulation Resistance > 10 G Ω @ 500 V_{DC}

Ordering Information

- ADAM-6160E1 6-ch Relay EtherNet/IP Module

Common Specifications

General

- LAN 10/100Base-T(X)
- Power Consumption ADAM-6117: 3.5 W @ 24 V_{DC}
ADAM-6160: 4.5 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)
- 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 $^{\circ}$ 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)