

ADAM-6117

ADAM-6124

8-ch Isolated Analog Input Real-time Ethernet Module

4-ch Analog Output Real-time Ethernet Module



ADAM-6117

FCC CE RoHS

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



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Specifications

Analog Output

- Channels 4
- Output Impedance 2.1 Ω
- Output Settling Time 20 μ s
- Driving Load Voltage: 2k Ω
Current: 500 Ω
- Programmable Output Slope 0.125 ~ 128 mA/sec
0.0625 ~ 64 V/sec
- Output Type V, mA
- Output Range 0 ~ 5 V, 0 ~ 10 V, ± 5 V, ± 10 V
0 ~ 20 mA, 4 ~ 20 mA
- Accuracy 0.3% of FSR (Voltage) at 25 $^{\circ}$ C
0.5% of FSR (Current) at 25 $^{\circ}$ C
- Resolution 12-bit
- Current Load Resistor 0 ~ 500 Ω
- Drift ± 50 ppm/ $^{\circ}$ C

Digital Input

- Channels 4 (Dry Contact only)
- Dry Contact Logic 0: Open
Logic 1: Closed to DGND

Ordering Information

- ADAM-6124PN 4-ch Isolated Analog Output PROFINET Module

Common Specifications

General

- LAN 10/100Base-T(X)
- Power Consumption ADAM-6117: 3.5 W @ 24 V_{DC}
ADAM-6124: 6 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)