ADAM-6117
ADAM-6124

8-ch Isolated Analog Input Real-time Ethernet Module

4-ch Analog Output Real-time Ethernet Module



ADAM-6117



ADAM-6124

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
- **Accuracy** ± 0.1% of FSR (Current) at 25°C
  ± 0.2% of FSR (Current) at 25°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

Specifications

Analog Output

- **Channels** 4
- **Output Impedance** 2.1 Ω
- **Output Settling Time** 20 μs
- **Driving Load** Voltage: 2kΩ
  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°C
  0.5% of FSR (Current) at 25°C
- **Resolution** 12-bit
- **Current Load Resistor** 0 ~ 500 Ω
- **Drift** ± 50 ppm/°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°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)

All product specifications are subject to change without notice
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