

ADAM-6017

8-ch Isolated Analog Input, 2-ch Digital Output Module



General

- **Certification:** CE, FCC, UL
- **LAN:** 10/100Base-T(X)
- **Connectors:**
 - 1 x RJ-45 (LAN)
 - 2 x plug-in terminal blocks (#14 ~ 28 AWG)
- **Power Input:** 10 ~ 30 VDC
- **Power Consumption:** 2.5 W @ 24 VDC
- **Watchdog Timer:** System (1.6 s) & Communication
- **Supports Peer-to-Peer**
- **Supports GCL**
- **Supports Modbus/TCP, TCP/IP, UDP, RESTful Protocols**

Protection

- **Isolation Protection:** 2000 VDC
- **Built-in TVS/ESD Protection**
- **Power Reversal Protection**

Environment

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

Analog Input

- **Channels:** 8 differential
- **Input Impedance:**
 - Voltage:** >10 MΩ
 - Current:** 120 Ω
- **Input Type:** mV, V, Ma
- **Input Range:**
 - ±150mV, ±500mV, ±1V, ±5V, ±10V,
 - 0~150mV, 0~500mV, 0~1V, 0~5V, 0~10V,
 - ±20mA, 0~20mA, 4~20mA
- **Accuracy:**
 - Voltage:** ±0.1%
 - Current:** ±0.2%
- **Span Drift:** ± 25 ppm/°C
- **Zero Drift:** ± 6 μV/°C
- **Sampling Rate:** 10/100 samples/sec (total)
- **CMR @ 50/60 Hz:** 90 dB (see note)
- **NMR @ 50/60Hz:** 67 dB (see note)
- **Common-Mode Voltage:** 350VDC

Digital Output

- **Channels:** 2
- **Type:** Open Collector
- **Load Voltage:** up to 30V
- **Max Load Current:** 100mA
- **Power Dissipation:** 300mW for each module
- **Output Delay:**
 - On:** 100μs
 - Off:** 150μs