

ADAM-6051

12-ch Digital 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 W @ 24 VDC
- **Watchdog Timer:** System (1.6 s) & Communication
- **Supports Peer-to-Peer**
- **Supports GCL**
- **Supports Modbus/TCP, TCP/IP, UDP, RESTful Protocols**
- **Supports User Defined Modbus Address**

Protection

- **Isolation Protection:** 2000 VDC
- **Power Reversal Protection**

Environment

- **Operating Humidity:** 20 ~ 95% RH (non-condensing)
- **Storage Humidity:** 0 ~ 95% RH (non-condensing)
- **Operating Temperature:** -20 ~ 70°C (-4 ~ 158°F)
- **Storage Temperature:** -30 ~ 80°C (-22 ~ 176°F)

Digital Input

- **Channels:** 12
- **Logic level 0:**
 - Dry Contact:** Close to GND
 - Wet Contact:** 0 ~ 3VDC
- **Logic level 1:**
 - Dry Contact:** Open
 - Wet Contact:** 10 ~ 30VDC
- **Supports 3 kHz Counter Input (32-bit + 1-bit overflow)**
- **Keep/Discard Counter Value when Power-off**
- **Supports 3 kHz Frequency Input**
- **Supports Inverted DI Status**

Counter Input

- **Channels:** 2
- **Mode:** Counter/Frequency
- **Max Count:** 4,294,967,295 (32-bit + 1-bit overflow)
- **Input Frequency:**
 - Frequency Mode:** 0.2 ~ 4500 Hz
 - Counter Mode:** 0 ~ 4.5 kHz

Digital Output

- **Channels:** 2
- **Type:** Open Collector (Sink)
- **Load Voltage:** up to 30V
- **Max Load Current:** 100mA
- **Supports 5 kHz Pulse Output**
- **Supports High-to-Low and Low-to-High Delay Output**