

# ADAM-4051

## 16-ch Isolated Digital Input Module



### Digital Input

- **Channels:** 16
  - **Input Voltage:** 50V max
  - **Input Level:**
    - Dry Contact:**
      - Logic level 0:** Open
      - Logic level 1:** Close to GND
    - Wet Contact:**
      - Logic level 0:** 3V max
      - Logic level 1:** 10 ~ 50V
- (Note: Digital Input Levels 0 and 1 can be inverted)
- **Isolation Voltage:** 2500VDC
  - **Input Resistance:** 5.2 k $\Omega$
  - **Overvoltage Protection:** 70VDC

### General

- **Certification:** CE, FCC
- **Connectors:** 2 x plug-in terminal blocks (#14 ~ 28 AWG)
- **Power Input:** Unregulated 10 ~ 30 VDC
- **Power Consumption:**
  - 0.7 W @ 24 V DC typ.
  - 1.25 W @ 24 V DC max.
- **Watchdog Timer:** System (1.6 s)
- **Supported Protocols:** ASCII command and Modbus/RTU
- **LED Indicators:** Yes

### Environment

- **Operating Humidity:** 5 ~ 95% RH
- **Operating Temperature:** -10 ~ 70°C (14 ~ 158°F)
- **Storage Temperature:** -25 ~ 85°C (-13 ~ 185°F)