Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

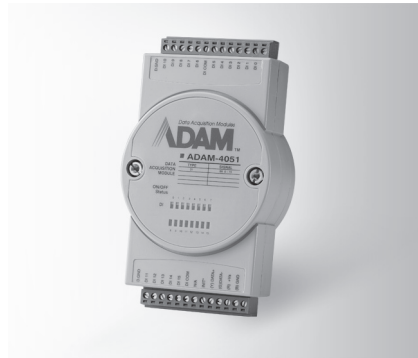# Contact us

ADAM-4050
ADAM-4051
ADAM-4052

15-ch Digital I/O Module
16-ch Isolated Digital Input Module with Modbus

8-ch Isolated Digital Input Module
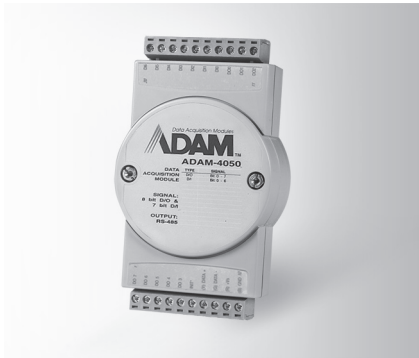
ADAM-4050		ADAM-4051		ADAM-4052

Specifications

General

- **Connectors**   2 x plug-in terminal blocks (#14 ~ 22 AWG)
- **Power Consumption**   0.4 W @ 24 V_{DC}
- **Watchdog Timer**   System (1.6 second)
- **Supported Protocols**   ASCII command

Digital Input

- **Channels**   7
- **Input Level**   Logic level 0: 1 V max.
Logic level 1: 3.5 ~ 30 V
Pull up current: 0.5 mA,
10 kΩ resistor to 5 V

Digital Output

- **Channels**   8
open collector to 30 V,
30 mA max. load
- **Power Dissipation**   300 mW

Specifications

General

- **Connectors**   2 x plug-in terminal blocks (#14 ~ 28 AWG)
- **Power Consumption**   1 W @ 24 V_{DC}
- **Watchdog Timer**   System (1.6 second)
- **Supported Protocols**   ASCII command and Modbus/RTU
- **LED Indicators**   Yes

Digital Input

- **Channels**   16
- **Input Voltage**   50 V max

- **Input Level**
  Dry contact: Logic level 0: open
  Logic level 1: close to GND
  Wet contact: Logic level 0: 3 V max
  Logic level 1: 10 ~ 50 V
  (Note: Digital Input levels 0 and 1 can be inverted)
- **Isolation Voltage**   2,500 V_{DC}
- **Input Resistance**   5.2 kΩ
- **Overvoltage Protection**   70 V_{DC}

Specifications

General

- **Connectors**   2 x plug-in terminal blocks (#14 ~ 22 AWG)
- **Power Consumption**   0.4 W @ 24 V_{DC}
- **Watchdog Timer**   System (1.6 second)
- **Supported Protocols**   ASCII command

Digital Input

- **Channels**   8
(6 fully independent isolated channels, 2 isolated channels with common ground)
- **Input Level**   Logic level 0: 1 V max.
Logic level 1: 3 ~ 30 V
- **Isolation Voltage**   5,000 V_{RMS}
- **Input Resistance**   3 kΩ

Common Specifications

General

- **Power Input**   Unregulated 10 ~ 30 V_{DC}

Environment

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

Ordering Information

- **ADAM-4050**   15-ch Digital I/O Module
- **ADAM-4051**   16-ch Isolated Digital Input Module with Modbus
- **ADAM-4052**   8-ch Isolated Digital Input Module

    Last updated : 27-Jul-2016