

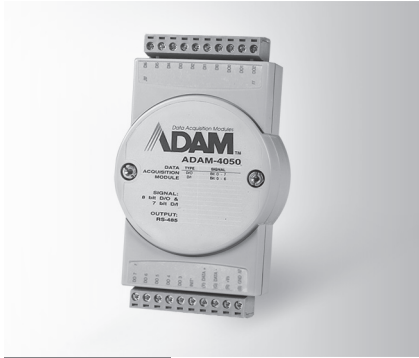
# ADAM-4050

# ADAM-4051

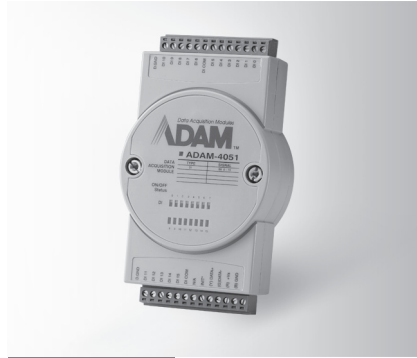
# ADAM-4052

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

- **Certification** FCC, CE
- **Connectors** 2 x plug-in terminal blocks (#14 ~ 22 AWG)
- **Power Consumption** 0.18 W @ 24 V DC typ.  
0.2 W @ 24 V DC max.
- **Watchdog Timer** System (1.6 second)
- **Supported Protocols** ASCII command and Modbus/RTU

### Digital Input

- **Channels** 7
- **Input Level**  
Dry contact: Logic level 0: close to GND  
Logic level 1: open  
Wet contact: 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

- **Certification** FCC, CE
- **Connectors** 2 x plug-in terminal blocks (#14 ~ 28 AWG)
- **Power Consumption** 0.7 W @ 24 V DC typ.  
1.25 W @ 24 V DC max.
- **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<sub>DC</sub>
- **Input Resistance** 5.2 kΩ
- **Overvoltage Protection** 70 V<sub>DC</sub>

## Specifications

### General

- **Certification** FCC, CE, UL
- **Connectors** 2 x plug-in terminal blocks (#14 ~ 22 AWG)
- **Power Consumption** 0.4 W @ 24 V<sub>DC</sub>
- **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<sub>RMS</sub>
- **Input Resistance** 3 kΩ

## Common Specifications

### General

- **Power Input** Unregulated 10 ~ 30 V<sub>DC</sub>

### 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

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [I/O Modules](#) category:*

*Click to view products by [Advantech](#) manufacturer:*

Other Similar products are found below :

[70L-IDC5S](#) [70L-OAC-L](#) [70Z3289-4](#) [G21960000700](#) [G21960002700](#) [G34960002700](#) [OACU](#) [C4SWOUT](#) [PB16H](#) [G34960001700](#) [G3TA-OA101SZ-1](#) [DC24](#) [G77-S](#) [5607189](#) [DA5](#) [ODC-24A](#) [IDC5P](#) [FC6A-N16B1](#) [6421](#) [FC6A-N32B3](#) [70MRCQ32-HL](#) [G3TAOD201SDC24](#) [C200H-LK201-V1](#) [G3TA-OA202SZ-US](#) [DC12](#) [GT1-OD16](#) [GT1-AD04CST](#) [B7AM-6BS](#) [70GRCQ24-HS](#) [6422](#) [84110410](#) [GT1-OD16MX](#) [G7VC-OC16-B7](#) [70MRCK24-DIN](#) [6202](#) [6402](#) [FC6A-J2C1](#) [FC6A-KC1C](#) [FC6A-R081](#) [FC6A-J8CU1](#) [GP32900003700](#) [641-480-5022](#) [PB16H](#) [84145010](#) [84110210](#) [FRUSB1601](#) [PCL-720+-BE](#) [FRRJ451601](#) [AP24MX3DB25F](#) [ADAM-5053S-AE](#) [WISE-S614-A](#) [ADAM-5051S-AE](#)