

ADAM-5050

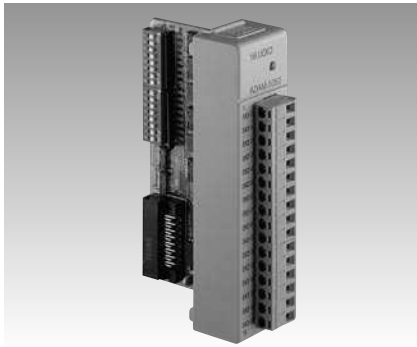
ADAM-5051/5051D

ADAM-5051S

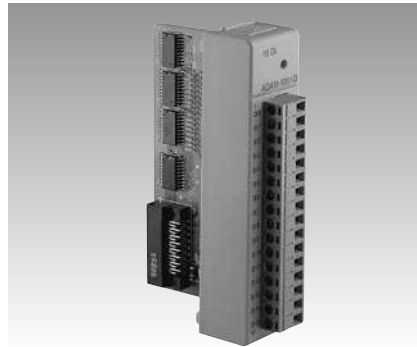
16-channel Universal Digital I/O Module

16-channel Digital Input Module

16-channel Isolated Digital Input Module with LED



ADAM-5050



ADAM-5051
ADAM-5051D



ADAM-5051S



Specifications

General

- **Certifications** CE, FM
- **Connectors** 1 x Plug-in screw terminal (# 14~22 AWG)
- **Power Consumption** 0.35 W (typical); 1.2 W (max.)

Digital I/O

- **Channels** 16
- **Channel I/O Type** Bit-wise selectable by DIP switch

Digital Input

Dry Contact: Logic level 0: close to GND

Logic level 1: open

Wet Contact: Logic level 0: 2 V max.
Logic level 1: 4 ~ 30 V

Digital Output

Open collector to 30 V, 100 mA and 450 mW max. load

Ordering Information

- **ADAM-5050** 16-channel Universal Digital Input/Output Module

Specifications

General

- **Certifications** CE
FM (ADAM-5051 only)
- **Connectors** 1 x Plug-in screw terminal (# 14~22 AWG)
- **LED Indicators: (ADAM-5051D)**
 - On: Input logic level 1
Input floating
 - Off: Input logic level 0
- **Power Consumption** ADAM-5051: 0.4 W (typical); 0.53 W (max.)
ADAM-5051D: 0.5 W (typical); 0.84 W (max.)

Digital Input

- **Circuit Type** Pull-up current: 0.5 mA (Source Type)
- **Channels** 16
- **Input Voltage** 30 V_{max}
- **Logic Level** Logic level 0: 1 V max.
Logic level 1: 3.5 ~ 30 V

Ordering Information

- **ADAM-5051** 16-channel Digital Input Module
- **ADAM-5051D** 16-channel Digital Input Module with LED

Specifications

General

- **Certifications** CE
- **Connectors** 1 x Plug-in screw terminal (# 14~28 AWG)
- **LED Indicators** On: Active
Off: Inactive
- **Power Consumption** 0.8 W (typical)

Digital Input

- **Channels** 16
- **Input Voltage** 50 V_{max}
- **Logic Level** Logic level 0: 3 V max.
Logic level 1: 10 ~ 50 V

Protection

- **Optical Isolation** 2500 V_{DC}
- **Overvoltage Protection** 70 V_{DC}

Ordering Information

- **ADAM-5051S** 16-channel Isolated Digital Input Module with LED