ADAM-5024
ADAM-5050
ADAM-5051/D/S

4-ch Analog Output Module

16-ch Universal Digital I/O Module

16-ch Digital Input Module



ADAM-5024



ADAM-5050



ADAM-5051
ADAM-5051D
ADAM-5051S

Specifications

General

- **Certification** CE, FM
- **Connectors** 1 x Plug-in screw terminal (# 14 ~ 22 AWG)
- **Enclosure** ABS+PC
- **Power Consumption** 2.9 W (max.)

Analog Output

- **Accuracy** ±0.1% of FSR for current output
  ±0.2% of FSR for voltage output
- **Channels** 4
- **Current Load Resistor** 0 ~ 500 Ω (source)
- **Output Type** mA, V
- **Output Range** 0 ~ 20 mA, 4 ~ 20 mA, 0 ~10 V
- **Programmable Output Slope** 0.125 ~ 128.0 mA/sec.
  0.0625 ~ 64.0 V/sec.
- **Resolution** 12-bit
- **Resolution** ±0.015% of FSR
- **Span Temperature Coefficient** ±25 PPM/°C
- **Zero Drift** Voltage: ±30 μV/°C
  Current: ±0.2 μA/°C

Protection

- **Isolation Voltage** 3,000 V_{DC}

Ordering Information

- **ADAM-5024** 4-ch Analog Output Module

Specifications

General

- **Certification** CE, FM
- **Connectors** 1 x Plug-in screw terminal (# 14 ~ 22 AWG)
- **Enclosure** ABS+PC
- **Power Consumption** 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
- **Power Dissipation** 300 mW for each channel

Ordering Information

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

Specifications

General

- **Certification** CE
- **Connectors** ADAM-5051/5051D: 1 x Plug-in screw terminal (# 14 ~ 22 AWG)
  ADAM-5051S: 1 x Plug-in screw terminal (# 14 ~ 28 AWG)
- **Enclosure** ABS+PC
- **LED Indicators**
  ADAM-5051D On: Input logic level 1
  Input floating
  Off: Input logic level 0
  ADAM-5051S On: Active
  Off: Inactive
- **Power Consumption** ADAM-5051: 0.53 W (max.)
  ADAM-5051D: 0.84 W (max.)
  ADAM-5051S: 0.8 W (max.)

Digital Input

- **Circuit Type** Pull-up current: 0.5 mA (Source Type) -only for ADAM-5051/5051D
- **Channels** 16
- **Input Voltage** ADAM-5051/5051D: 30 V max
  ADAM-5051S: 50 V max
- **Logic Level**
  ADAM-5051/5051D Logic level 0: 1 V max.
  Logic level 1: 3.5 ~ 30 V
  ADAM-5051S Logic level 0: 3 V max.
  Logic level 1: 10 ~ 50 V

Protection (Only for ADAM-5051S)

- **Optical Isolation** 2,500 V_{DC}
- **Overvoltage Protection** 70 V_{DC}

Ordering Information

- **ADAM-5051** 16-ch Digital Input Module
- **ADAM-5051D** 16-ch Digital Input Module w/ LED
- **ADAM-5051S** 16-ch Isolated Digital Input Module w/ LED