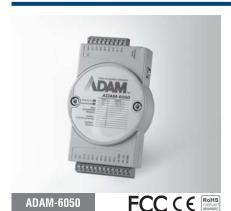
ADAM-6050 ADAM-6051 ADAM-6052

18-ch Isolated Digital I/O Modbus TCP Module

14-ch Isolated Digital I/O Modbus TCP Module with 2-ch Counter

16-ch Source-type Isolated Digital I/O Modbus TCP Module







Specifications

Digital Input

Wet Contact

Channels

Dry Contact
 Logic level 0: close to GND
 Logic level 1: open

Logic level 0: 0 ~ 3 V_{DC} Logic level 1: 10 ~ 30 V_{DC}

 Supports 3 kHz Counter Input (32-bit + 1-bit overflow)

- Keep/Discard Counter Value when Power-off
- Supports 3 kHz Frequency Input
- Supports Inverted DI Status

Digital Output

• Channels 6 (sink type), open collector to 30 V, 100 mA

maximum load

- Supports 5 kHz Pulse Output
- Supports High-to-Low and Low-to-High Delay Output

Ordering Information

ADAM-6050

18-ch Isolated DI/O Modbus TCP Module

Specifications

Digital Input

Channels

Dry Contact
 Logic level 0: close to GND Logic level 1: open
 Wet Contact
 Logic level 0: 0 ~ 3 V_{DC} Logic level 1: 10 ~ 30 V_{DC}

 Supports 3 kHz Counter Input (32-bit + 1-bit overflow)

- Keep/Discard Counter Value when Power-off
- Supports 3 kHz Frequency Input
- Supports Inverted DI Status

Counter Input

Channels

Mode Counter, Frequency
 Keep/Discard Counter Value when Power-off

Maximum Count 4,294,967,295 (32-bit + 1-bit overflow)

• Input Frequency Frequency Mode: 0.2 ~ 4500 Hz Counter Mode: 0 ~ 4.5 kHz

Digital Output

ADAM-6051

Channels
 2 (sink type), open collector to 30 V, 100 mA maximum load

Supports 5 kHz Pulse Output

 Supports High-to-Low and Low-to-High Delay Output

Ordering Information

Specifications

Digital Input

Channels8

• Dry Contact Logic level 0: Open

Logic level 1: Close to Ground

• Wet Contact Logic level $0: 0 \sim 3 \text{ V}_{DC}$ Logic level $1: 10 \sim 30 \text{ V}_{DC}$

 Supports 3 kHz Counter Input (32-bit + 1-bit overflow)

- Keep/Discard Counter Value when Power-off
- Supports 3 kHz Frequency Input
- Supports Inverted DI Status

Digital Output

Channels 8 (Source Type)
 Voltage Range 10 ~ 35 V_{DC}
 Current 1 A (per channel)

- Supports 5 kHz Pulse Output

- Supports High-to-Low and Low-to-High Delay Output
- Supports Over Current Protection

Ordering Information

ADAM-6052

16-ch Source-type Isolated DI/O Modbus TCP Module

Common Specifications

General

LAN 10/100Base-T(X)
 Power Consumption 2 W @ 24 V_{DC}

Connectors
 1 x RJ-45 (LAN), Plug-in screw terminal block (I/O and power)

System (1.6 second) and Communication (programmable)

Power Input

 $10 \sim 30 \ V_{DC}$

16-ch Isolated DI/O with Counter Modbus TCP

- Supports Peer-to-Peer, GCL
- Supports User Defined Modbus Address
 Supports Modbus/TCP, TCP/IP, UDP,

Module

DHCP, SNMP, HTTP and MQTT Protocol

Protection

- Power Reversal Protection
- Isolation Protection 2,000 V_{DC}

Environment

Operating -20 ~ 70°C (-4 ~ 158°F)
 Temperature D version

-40 ~ 70°C (-40~158°F)

• Storage Temperature $-30 \sim 80^{\circ}\text{C} \ (-22 \sim 176^{\circ}\text{F})$

D version

-40 ~ 80°C (-40~176°F)

• Operating Humidity 20 ~ 95% RH

ity 20 ~ 95% RH (non-condensing)

• Storage Humidity 0 ~ 95% RH (non-condensing)

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Watchdog

Ethernet I/O Modules: ADAM-6000