ADAM-6050 ADAM-6051 ADAM-6052

18-ch Isolated Digital I/O Modbus TCP

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

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







ADAM-6051

FCC (E ROHS COMPLIANT 2002/29/9/EC

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

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

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

Specifications

Digital Input

Channels

Dry Contact Logic level 0: Open

Logic level 1: Close to Ground

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

 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 $10 \sim 35 \, V_{DC}$ - Current 1 A (per channel)

Supports 5 kHz Pulse Output

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

Ordering Information

 ADAM-6052 16-ch Source-type Isolated DI/O Modbus TCP Module

Ordering Information

ADAM-6051

16-ch Isolated DI/O with Counter 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)

Watchdog System (1.6 second) and Communication (programmable) Power Input

 $10 \sim 30 V_{DC}$

Supports Peer-to-Peer, GCL **Supports User Defined Modbus Address**

Supports Modbus/TCP, TCP/IP, UDP, DHCP, SNMP, HTTP and MQTT Protocol

Protection

Power Reversal Protection

Isolation Protection 2.000 Vnc

Environment

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

-40 ~ 70°C (-40~158°F)

■ Storage Temperature -30 ~ 80°C (-22 ~ 176°F)

D version

-40 ~ 80°C (-40~176°F) Operating Humidity

Storage Humidity

ADVANTECH

Ethernet I/O Modules: ADAM-6000

All product specifications are subject to change without notice.

Last updated: 18-Oct-2017

20 ~ 95% RH

(non-condensing)

0~95% RH (non-condensing)