ADAM-6060
ADAM-6066

6-ch Digital Input and 6-ch Relay Modbus TCP Module

6-ch Digital Input and 6-ch Power Relay Modbus TCP Module

ADAM-6060 ▲   ADAM-6066 ▲

FCC CE RoHS COMPLIANT 2002/95/EC c UL us LISTED E180881 I.T.E-

Specifications

General

- **LAN** — 1-port 10/100Base-T(X)
- **Power Consumption** — 2 W @ 24 V$_{DC}$ (ADAM-6060)
  2.5 W @ 24 V$_{DC}$ (ADAM-6066)
- **Connectors** — 1 x RJ-45 (LAN), Plug-in screw terminal block (I/O and power)
- **Watchdog Timer** — System (1.6 second) and Communication (programmable)
- **Power Input** — 10 ~ 30 V$_{DC}$
- **Supports Peer-to-Peer**
- **Supports GCL**
- **Supports Modbus/TCP, TCP/IP, UDP, DHCP, SNMP, RESTful and MQTT Protocol**

Digital Input

- **Channels** — 6
- **Dry Contact** — Logic level 0: Closed to GND
  Logic level 1: Open
- **Wet Contact** — Logic level 0: 3 V$_{DC}$
  Logic level 1: 10 ~ 30 V$_{DC}$ or floating
  Support DO type: Sink (NPN) only
- **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**

Relay Output (Form A)

- **Channels** — 6
- **Contact Rating (Resistive)** — ADAM-6060: 120 V$_{AC}$ @ 0.5 A
  30 V$_{DC}$ @ 1 A
  ADAM-6066: 250 V$_{AC}$ @ 5 A
  30 V$_{DC}$ @ 3 A
- **Breakdown Voltage** — 500 V$_{AC}$ (50/60 Hz)
- **Relay On Time** — 7 ms
- **Relay Off Time** — 3 ms
- **Total Switching Time** — 10 ms
- **Insulation Resistance** — 1 GΩ min. at 500 V$_{DC}$
- **Maximum Switching Rate (at rated load)** — 20 operations/minute
- **Supports Pulse Output**

Protection

- **Isolation Voltage** — 2,000 V$_{DC}$
- **Power Reversal Protection**
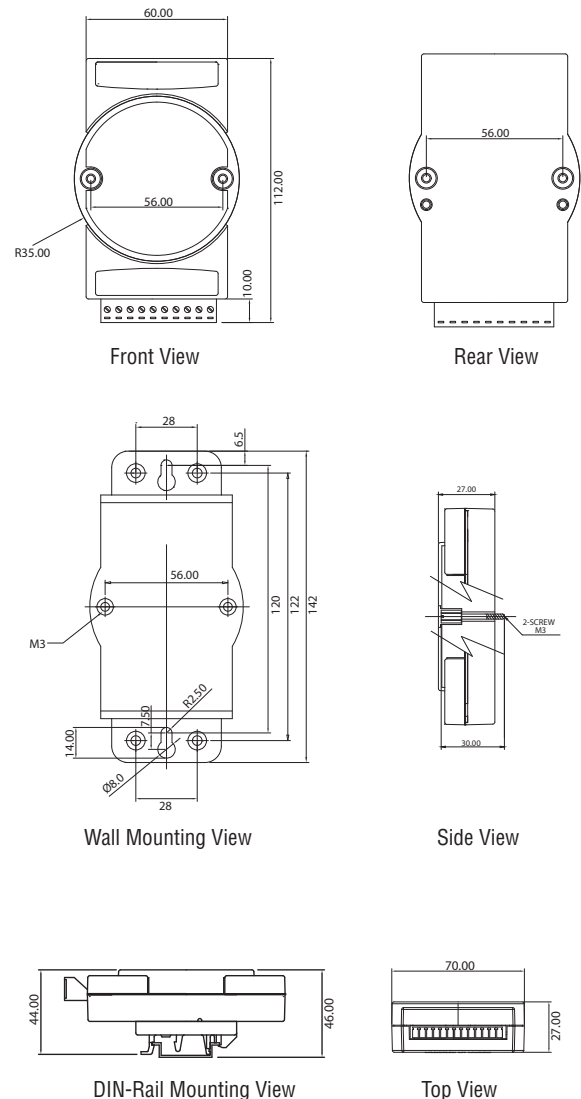
Environment

- **Operating Temperature** — -40 ~ 70°C (-40~158°F)
- **Storage Temperature** — -40 ~ 80°C (-40~176°F)
- **Operating Humidity** — 20 ~ 95% RH (non-condensing)
- **Storage Humidity** — 0 ~ 95% RH (non-condensing)

Ordering Information

- **ADAM-6060-D1** — 6-ch DI and 6-ch Relay Modbus TCP Module
- **ADAM-6066-D** — 6-ch DI and 6-ch Power Relay Modbus TCP Module

ADAM-6000 Series Dimensions

Unit: mm

Front View

Rear View

Wall Mounting View

Side View

DIN-Rail Mounting View

Top View

ADAM-6000 Series Common Specifications

General

- **Dimensions (W x H x D)** 70 x 120 x 30 mm
- **Enclosure** ABS+PC
- **Mounting** DIN 35 rail, stack, wall