

# ADAM-6150

# ADAM-6151/6156

# ADAM-6160

15-ch Isolated Digital I/O Real-time Ethernet Module

16-ch Isolated Digital Input/ Digital Output Real-time Ethernet Module

6-ch Relay Real-time Ethernet Module

NEW



ADAM-6150/6151/6156



## Specifications

### Digital Input

- **Channels** ADAM-6150: 8  
ADAM-6151: 16
- **Dry Contact** Logic level 0: close to GND  
Logic level 1: open
- **Wet Contact** Logic level 0: 0 ~ 3 V<sub>DC</sub>  
Logic level 1: 10 ~ 30 V<sub>DC</sub>
- **Input Impedance** 10 kΩ
- **Transition Time** From logic level 0 to 1: 0.2 ms  
From logic level 1 to 0: 0.2 ms

### Digital Output

- **Channels** ADAM-6150: 7  
ADAM-6156: 16
- **Output Voltage Range** 8 ~ 35 V<sub>DC</sub>
- **Normal Output Current** 100 mA (per channel)

## Ordering Information

- **ADAM-6150EI** 15-ch Isolated DI/O EtherNet/IP Module
- **ADAM-6151EI** 16-ch Isolated DI EtherNet/IP Module
- **ADAM-6156EI** 16-ch Isolated DO EtherNet/IP Module
- **ADAM-6150PN** 15-ch Isolated DI/O PROFINET Module
- **ADAM-6151PN** 16-ch Isolated DI PROFINET Module
- **ADAM-6156PN** 16-ch Isolated DO PROFINET Module

NEW



ADAM-6160



## Specifications

### Relay Output

- **Channels** 6 Form C

### Switching Capacity and Lifetime of the Contact (For Resistive Load)

- **VDE** 30,000 operations (5 A @ 250 V<sub>AC</sub>, 10 operations/minute at 85° C)  
70,000 operations (5 A @ 30 V<sub>DC</sub>, 10 operations/minute at 85° C)
- **UL** 60,000 operations (5 A @ 250 V<sub>AC</sub>)  
100,000 operations (5 A @ 30 V<sub>DC</sub>)
- **Mechanism** 20,000,000 operations (no load, 300 operations/min)
- **Breakdown Voltage** 500 V<sub>AC</sub> (50/60 Hz)
- **Contact Resistance** 30 mΩ (maximum)
- **Insulation Resistance** 1 GΩ (minimum) at 500 V<sub>DC</sub>

## Ordering Information

- **ADAM-6160EI** 6-ch Relay EtherNet/IP Module
- **ADAM-6160PN** 6-ch Relay PROFINET Module

## Common Specifications

### General

- **LAN** 10/100Base-T(X)
- **Power Consumption** ADAM-6150: 2.4 W @ 24 V<sub>DC</sub>  
ADAM-6151: 2.4 W @ 24 V<sub>DC</sub>  
ADAM-6156: 2.7 W @ 24 V<sub>DC</sub>  
ADAM-6160: 3.5 W @ 24 V<sub>DC</sub>
- **Connectors** 2 x RJ-45 LAN, (Daisy Chain)  
Plug-in screw terminal block (I/O and power)
- **Watchdog** System (1.6 second) and Communication (programmable)
- **Power Input** 10 ~ 30 V<sub>DC</sub>

### Protection

- **Over Voltage Protection** ±35 V<sub>DC</sub>
- **Isolation Protection** 2,500 V<sub>DC</sub>
- **Power Reversal Protection**

### Environment

- **Operating Temperature** -10 ~ 70° C (14 ~ 158° F)
- **Storage Temperature** -20 ~ 80° C (-4 ~ 176° F)
- **Operating Humidity** 20 ~ 95% RH (non-condensing)
- **Storage Humidity** 0 ~ 95% RH (non-condensing)