

# 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)  
0 ~ 95% RH (non-condensing)