

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



ADAM-6150/6151/6156

FCC CE RoHS

Specifications

Digital Input

- Channels ADAM-6150: 8
ADAM-6151: 16
- Dry Contact Logic level 0: open
Logic level 1: close to DGND
- Wet Contact Logic level 0: 0 ~ 3 V_{DC} or 0 ~ -3 V_{DC}
Logic level 1: 10 ~ 30 V_{DC} or -10 ~ -30 V_{DC}
(Dry/Wet Contact decided by switch)
- Input Impedance 5.2 k Ω (Wet Contact)
- 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_{DC}
- 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



ADAM-6160

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Specifications

Relay Output

- Channels 5 Form C and 1 Form A
- Contact Rating 250 V_{AC} @ 5A
30 V_{DC} @ 5A
- Max. Switching Voltage 400 V_{AC}
300 V_{DC}
- Breakdown Voltage 500 V_{AC} (50/60Hz)
- Max. Breakdown Capacity 1250 VA
- Frequency of Operation 360 operations/hour with load
72,000 operations/hour without load
- Set/Reset Time 8 ms/8 ms
- Mechanical Endurance > 15 x 10⁶ operations
- Isolation between Contact 1000 V_{rms}
- Insulation Resistance > 10 G Ω @ 500 V_{DC}

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: 3 W @ 24 V_{DC}
ADAM-6151: 2.7 W @ 24 V_{DC}
ADAM-6156: 3.2 W @ 24 V_{DC}
ADAM-6160: 4.5 W @ 24 V_{DC}
- Connectors 2 x RJ-45 LAN, (Daisy Chain)
Plug-in screw terminal block (I/O and power)
- Watchdog System (1.6 second)
- Power Input 10 ~ 30 V_{DC}

Protection

- Over Voltage Protection ± 35 V_{DC}
- Isolation Protection 2,500 V_{DC}
- 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)