ADAM-6150
ADAM-6151/6156

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



ADAM-6150



ADAM-6151/6156

Specifications

Digital Input

- **Channels** 8
- **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 kΩ (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** 7
- **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-6150PN** 15-ch Isolated DI/O PROFINET Module

Specifications

Digital Input (ADAM-6151)

- **Channels** 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 kΩ (Wet Contact)
- **Transition Time** From logic level 0 to 1: 0.2 ms
  From logic level 1 to 0: 0.2 ms

Digital Output (ADAM-6156)

- **Channels** 16
- **Output Voltage Range** 8 ~ 35 V_{DC}
- **Normal Output Current** 100 mA (per channel)

Ordering Information

- **ADAM-6151EI** 16-ch Isolated DI EtherNet/IP Module
- **ADAM-6151PN** 16-ch Isolated DI PROFINET Module
- **ADAM-6156EI** 16-ch Isolated DO EtherNet/IP Module
- **ADAM-6156PN** 16-ch Isolated DO 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}
- **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)
  0 ~ 95% RH (non-condensing)

All product specifications are subject to change without notice.