ADAM-6717
ADAM-6750
ADAM-6760D

Intelligent I/O Gateway with Analog Input

Intelligent I/O Gateway with Digital I/O

Intelligent I/O Gateway with Solid-State Relay Output (for DC)



ADAM-6717



ADAM-6750



ADAM-6760D

Specifications

Analog Input

- **Channels** 8 (differential)
- **Sampling Rate** 10 or 100 samples/ second (total)
- **Resolution** 16 bits
- **Input Range** 0 ~ 150mV, 0 ~ 500mV, 0 ~ 1V, 0 ~ 5V, 0 ~ 10V, ±150 mV, ±500 mV, ±1V, ±5 V, ±10 V, ±20 mA, 0 ~ 20 mA, 4 ~ 20mA

Digital Output

- **Channels** 4
- **Output type** Sink 30 V_{DC}, 0.1A max. per channel

Digital Input

- **Channels** 5
- **Dry contact** logic 0: Open
  logic 1: Close to ground
- **Wet contact** logic 0: 0 ~ 3 V_{DC} or floating
  logic 1: 10 ~ 30 V_{DC}
  Support DO type:
  Sink (NPN) and Source (PNP)

Specifications

Digital Input

- **Channels** 12
  support 3KHz counter input
- **Dry contact** logic 0: Open
  logic 1: Close to ground
- **Wet contact** logic 0: 0 ~ 3 V_{DC} or floating
  logic 1: 10 ~ 30 V_{DC}
  Support DO type:
  Sink (NPN) and Source (PNP)

Digital Output

- **Channels** 12 (support 3KHz pulse output)
- **Output type** Sink 30 V_{DC}, 0.1A max. per channel

Specifications

Digital Input

- **Channels** 8
  support 3KHz counter input
- **Dry contact** logic 0: Open
  logic 1: Close to ground
- **Wet contact** logic 0: 0 ~ 3 V_{DC} or floating
  logic 1: 10 ~ 30 V_{DC}
  Support DO type:
  Sink (NPN) and Source (PNP)

Relay Output (PhotoMOS SPST)

- **Channels** 8 (Form A)
- **Contact rating (Resistive and Inductive load)** 30 V_{DC}
  1 A @25°C
  0.7A @70°C
- **Relay-on time** 1.3 ms
- **Relay-off time** 0.8 ms
- **Peak Load Current** 4A (100ms (1 pulse))
- **Total Power Dissipation** 400mW / channel
- **On-state resistance** 0.5Ω

Common Specifications

General

- **MCU** Cortex-A8 32-Bit 1GHz
- **Memory** DDR3L 512MB
- **Storage** NAND flash 512MB for system storage
  microSD Slot (Optional)
- **OS** RT Linux V3.12
- **Programming** Node-RED Linux C
- **Power input** 10 ~ 30 V_{DC}
- **Operation temperature** -40 ~ 70°C
- **Storage temperature** -40 ~ 85°C
- **Isolation** 2500 V_{DC}

Communication

- **LAN port** 2 x RJ-45 10/100 Mbps (2MAC ID)
- **Serial port** 2 x RS-485
- **USB port** 1 x USB Type-A 2.0, 1 x USB Micro-B 2.0

Ordering information

- **ADAM-6717-A** Intelligent I/O Gateway with Analog Input
- **ADAM-6750-A** Intelligent I/O Gateway with Digital I/O
- **ADAM-6760D-A** Intelligent I/O Gateway with Solid-State Relay Output (for DC)

All product specifications are subject to change without notice.

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