

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
- Dry contact support 3KHz counter input
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
- Dry contact support 3KHz counter input
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
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