

ADAM-6315

ADAM-6317

IoT OPC UA Ethernet I/O - RTD Module

IoT OPC UA Ethernet I/O - AI Module



ADAM-6315



Specifications

Analog Input

- Channels 8 (differential)
- Input Impedance > 10 M Ω
- Input Connections 2 or 3 wire
- Input Type Pt, Balco and Ni RTD
- RTD Types and Temperature Ranges
 - Pt 100
 - 50°C - 150°C
 - 0°C - 100°C
 - 0°C - 200°C
 - 0°C - 400°C
 - 100°C - 100°C
 - 200°C - 200°C
 - *Supports both IEC 60751 ITS90 (0.00385 Ω /°C) and JIS C 1604 (0.00392 Ω /°C)
 - Pt 1000
 - 40°C - 160°C
 - Balco 500
 - 30°C - 120°C
 - Ni 508
 - 0°C - 100°C
 - Ni 518
 - 80°C - 100°C
- Accuracy
 - ± 0.1 % or better
 - High speed mode ± 0.5 % or better
- Span Drift ± 25 ppm/°C
- Zero Drift ± 6 μ V/°C
- Resolution 16-bit
- Sampling Rate
 - Normal speed mode: 10 sample/ second (total)
 - High speed mode: 1024 sample/second (total)
 - CMR: 90 dB @ 50/60 HZ
 - NMR: 60 dB @ 50/60 HZ
- * High speed mode does not support CMR/NMR

Wire Burnout Detection

Digital Input

- Channels 6
- Dry contact logic 0: Open; logic 1: Closed 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)
- DI0-DI5 support 3 kHz counter input
- DI0-DI5 support 3 kHz frequency input

Digital Output

- Channels 8
- Output type Sink type, 30 V_{DC}, 0.1A max. per channel
- DO2-DO7 support 3 kHz pulse output

Ordering Information

- ADAM-6315-A1 OPC UA and Security Remote I/O - RTD Module



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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, ± 1 V,
 - ± 5 V, ± 10 V, ± 20 mA,
 - 0 ~ 20 mA, 4 ~ 20mA

Digital Input

- Channels 11
- Dry contact
 - logic 0: Open
 - logic 1: Closed to ground
 - logic 0: 0 ~ 3 V_{DC} or floating
 - logic 1: 10 ~ 30 V_{DC}
 - Support DO type: Sink (NPN) and Source (PNP)
- Wet contact
- DI5-DI10 support 3 kHz counter input
- DI5-DI10 support 3 kHz frequency input

Digital Output

- Channels 10
- Output type Sink type, 30 V_{DC}, 0.1A max. per channel
- DO4-DO9 support 3 kHz pulse output

Ordering Information

- ADAM-6317-A1 OPC UA and Security Remote I/O - AI Module

Common Specifications

General

- Power input 10 ~ 30 V_{DC}
- Power Consumption
 - 2.9 W @ 24 V_{DC} (ADAM-6317)
 - 2.8 W @ 24 V_{DC} (ADAM-6350)
- LAN port 2-port 10/100 Base-T(X) (for Daisy Chain)
- Connectors 2 x RJ-45 (LAN), Plug-in screw terminal block (I/O and power)
- Watchdog System and Communication
- Protocol OPC UA, Modbus

Protection

- Isolation 2,500 V_{DC}
- Power Reversal Protection

OPC UA

- Max Monitored Items 600 (A maximum of 32 ScaledValueHistory items can be included in all sessions)
- Max Sessions 4 (including security or non-security session)
- Max Subscriptions per Session 1
- Support security/certificate management

Modbus/TCP

- Modbus/TCP connection 4

Environment

- Operating Temperature -25° C ~ 70° C
- Storage Temperature -25° C ~ 85° C
- Operating Humidity 20 ~ 95% RH (non-condensing)
- Storage Humidity 0 ~ 95% RH (non-condensing)