

# 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 $\Omega$
- 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 $\Omega$ /°C) and JIS C 1604 (0.00392 $\Omega$ /°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:  $\pm 0.1\%$  or better  
High speed mode  $\pm 0.5\%$  or better
- Span Drift:  $\pm 25$  ppm/°C
- Zero Drift:  $\pm 6$   $\mu$ 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<sub>cc</sub> or floating; logic 1: 10 - 30 V<sub>cc</sub>  
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<sub>cc</sub>, 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

## Common Specifications

### General

- Power input: 10 - 30 V<sub>cc</sub>
- Power Consumption: 2.9 W @ 24 V<sub>cc</sub> (ADAM-6317)  
2.8 W @ 24 V<sub>cc</sub> (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<sub>cc</sub>
- Power Reversal Protection



ADAM-6317



## 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,  
 $\pm 150$  mV,  $\pm 500$  mV,  $\pm 1V$ ,  
 $\pm 5$  V,  $\pm 10$  V,  $\pm 20$  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<sub>cc</sub> or floating  
logic 1: 10 - 30 V<sub>cc</sub>  
Support DO type: Sink (NPN) and Source (PNP)
- Wet contact: logic 0: 0 - 3 V<sub>cc</sub> or floating  
logic 1: 10 - 30 V<sub>cc</sub>  
Support DO type: Sink (NPN) and Source (PNP)
- DI5-DI10 support 3 kHz counter input
- DI5-DI10 support 3 kHz frequency input

### Digital Output

- Channels: 10
- Output type: Sink type, 30 V<sub>cc</sub>,  
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

### 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)