ADAM-6315
IoT OPC UA Ethernet I/O - RTD Module

ADAM-6317
IoT OPC UA Ethernet I/O - AI Module

ADAM-6315

CE FC RoHS COMPLIANT 2002/95/EC

Specifications

Analog Input

Channels	8 (differential)
Input Impedance	> 10 MΩ
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 (0.00385Ω/Ω/°C) and JIS C 1604 (0.00392Ω/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 μV/°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 VDC or floating; logic 1: 10 ~ 30 VDC 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 VDC, 0.1A max. per channel
DO2~DO7 support 3 kHz pulse output	

Ordering Information

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

ADAM-6317

CE FC RoHS COMPLIANT 2002/95/EC

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 Input

Channels	11
Dry contact	logic 0: Open logic 1: Closed to ground
Wet contact	logic 0: 0 ~ 3 VDC or floating logic 1: 10 ~ 30 VDC 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 VDC, 0.1A max. per channel
DO4~DO9 support 3 kHz pulse output	

Ordering Information

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

Common Specifications

General

Power input	10 ~ 30 VDC
Power Consumption	2.9 W @ 24 VDC (ADAM-6317) 2.8 W @ 24 VDC (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 VDC
Power Reversal Protection	

OPC UA

Max Monitored Items	600 (A maximum of 32 ScaledValueHistory items can be included in all sessions) (ADAM-6315)
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)