

ADAM-6015

ADAM-6017

ADAM-6018

7-ch Isolated RTD Input Modbus TCP Module
8-ch Isolated Analog Input Modbus TCP Module with 2-ch DO
8-ch Isolated Thermocouple Input Modbus TCP Module with 8-ch DO



ADAM-6015



ADAM-6017



ADAM-6018



Specifications

Analog Input

- Channels 7 (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
	-200° C ~ 200° C
Pt 1000	-40° C ~ 160° C

Supports both IEC 60751 ITS90 (0.03851 W/W/°C) and JIS C 1604 (0.03916 W/W/°C)

Balco 500	-30° C ~ 120° C
Ni 518	-80° C ~ 100° C
	0° C ~ 100° C
- Accuracy $\pm 0.1\%$ or better
- Span Drift ± 25 ppm/° C
- Zero Drift ± 6 μ V/° C
- Wire Burn-out Detection

Ordering Information

- ADAM-6015 7-ch Isolated RTD Input Modbus TCP Module

Specifications

Analog Input

- Channels 8 (differential)
- Input Impedance > 10 M Ω (voltage)
120 Ω (current)
- Input Type mV, V, mA
- Input Range ± 150 mV, ± 500 mV, ± 1 V
 ± 5 V, ± 10 V, 0-20 mA, 4-20 mA
- Accuracy $\pm 0.1\%$ or Better (voltage)
 $\pm 0.2\%$ or Better (current)
- Span Drift ± 25 ppm/° C
- Zero Drift ± 6 μ V/° C

Digital Output

- Channels 2, open collector to 30 V, 100 mA max. load
- Power Dissipation 300 mW for each module

Ordering Information

- ADAM-6017 8-ch Isolated AI with 2-ch DO Modbus TCP Module

Specifications

Analog Input

- Channels 8 (differential)
- Input Impedance > 10 M Ω
- Input Type Thermocouple
- Thermocouple Type and Range:

J	0 ~ 760° C
K	0 ~ 1,370° C
T	-100 ~ 400° C
E	0 ~ 1,000° C
R	500 ~ 1,750° C
S	500 ~ 1,750° C
B	500 ~ 1,800° C
- Accuracy $\pm 0.1\%$ or Better
- Span Drift ± 25 ppm/° C
- Zero Drift ± 6 μ V/° C
- Wire Burn-out Detection

Digital Output

- Channels 8, open collector to 30 V, 100 mA max. load
- Power Dissipation 300 mW for each module

Ordering Information

- ADAM-6018 8-ch Isolated Thermocouple Input Modbus TCP Module w/ 8-ch DO

Common Specifications

General

- LAN 10/100Base-T(X)
- Power Consumption 2 W @ 24 V_{DC}
- Connectors 1 x RJ-45 (LAN), Plug-in screw terminal block (I/O and power)
- Watchdog System (1.6 second) and Communication (programmable)
- Power Input 10 ~ 30 V_{DC}
- Supports Peer-to-Peer

- Supports GCL
- Supports Modbus/TCP, TCP/IP, UDP and HTTP Protocols

Analog Input

- Resolution 16-bit
- Sampling Rate 10 sample/second (total)
- CMR @ 50/60 Hz 90 dB
- NMR @ 50/60 Hz 60 dB

Protection

- Over Voltage Protection ± 35 V_{DC}
- Isolation Protection 2,000 V_{DC}

- Built-in TVS/ESD Protection
- Power Reversal Protection

Environment

- Operating Temperature -10 ~ 70° C (14 ~ 158° F)
- Storage Temperature -20 ~ 80° C (-4 ~ 176° F)
- Operating Humidity 20 ~ 95% RH (non-condensing)
- Storage Humidity 0 ~ 95% RH (non-condensing)