

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 FCC CE RoHS UL US



ADAM-6017 FCC CE RoHS UL US



ADAM-6018 FCC CE RoHS UL US

ADVANTECH
Premier Partner

Specifications

Analog Input

- **Channels** 7 (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
 - 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** ± 0.1 %
- **Span Drift** ± 25 ppm/°C
- **Zero Drift** ± 6 μV/°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 MΩ (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** ±0.1% (voltage)
±0.2% (current)
- **Span Drift** ±25 ppm/°C
- **Zero Drift** ±6 μV/°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 MΩ
- **Input Type** Thermocouple
- **Thermocouple Type and Range:**

J	0 ~ 760°C	R	500 ~ 1,750°C
K	0 ~ 1,370°C	S	500 ~ 1,750°C
T	-100 ~ 400°C	B	500 ~ 1,800°C
E	0 ~ 1,000°C		

- **Accuracy** ±0.1%
- **Span Drift** ±25 ppm/°C
- **Zero Drift** ±6 μV/°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

Vertrieb durch

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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)