

ADAM-6217

ADAM-6218

ADAM-6224

8-ch Isolated Analog Input Modbus TCP Module

6-ch Thermocouple Input Modbus TCP Module

4-ch Isolated Analog Output Modbus TCP Module



NEW

ADAM-6217



NEW

ADAM-6218



NEW

ADAM-6224



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, ±20 mA
- Span Drift ±30 ppm/°C
- Zero Drift ±6 μV/°C
- Resolution 16-bit
- Accuracy ±0.1% of FSR (Voltage) at 25°C
±0.2% of FSR (Current) at 25°C
- Sampling Rate 10 sample/second (total)
- CMR @ 50/60 Hz 92 dB
- NMR @ 50/60 Hz 60 dB
- Common Mode 200 V_{DC}

Ordering Information

- ADAM-6217 8-ch Isolated Analog Input Modbus TCP Module

Specifications

Analog Input

- Channels 6 (differential)
- Input Impedance > 1 MΩ (voltage)
120 Ω (current)
- Input Type mV, V, mA, Thermocouple
- Temperature Range

J	-210 ~ 1,200°C	R	0 ~ 1,768°C
K	-270 ~ 1,372°C	S	0 ~ 1,768°C
T	-270 ~ 400°C	B	200 ~ 1,820°C
E	-270 ~ 1,000°C		
- Voltage/Current Input Range ±50 mV, ±100 mV,
±500 mV, ±1 V, ±2.5 V,
±20 mA, 0~20 mA,
4~20 mA
- Span Drift ±30 ppm/°C
- Zero Drift ±6 μV/°C
- Resolution 16-bit
- Accuracy ±0.1% of FSR (Voltage) at 25°C
±0.2% of FSR (Current) at 25°C
- Sampling Rate 10 sample/second (total)
- CMR @ 50/60 Hz 92 dB
- NMR @ 50/60 Hz 60 dB
- High Common Mode 200 V_{DC}

Ordering Information

- ADAM-6218 6-ch Isolated Thermocouple Input Modbus TCP Module

Specifications

Analog Output

- Channels 4
- Output Impedance 2.1 Ω
- Output Settling Time 20 μs
- Driving Load Voltage: 2kΩ
Current: 500 Ω
- Programmable Output Slope 0.125 ~ 128 mA/sec
- Output Type 0.0625 ~ 64 V/sec
V, mA
- Output Range 0 ~ 5 V, 0 ~ 10 V, ±5 V, ±10 V
0 ~ 20 mA, 4 ~ 20 mA
- Accuracy ±0.3% of FSR (Voltage) at 25°C
±0.5% of FSR (Current) at 25°C
- Resolution 12-bit
- Current Load Resistor 0 ~ 500 Ω
- Drift ±50 ppm/°C
- Digital Input
 - Channels 4 (Dry Contact only)
 - Dry Contact Logic 0: Open
Logic 1: Closed to DGND
- Support DI Filter
- Support Inverted DI Status
- Support Trigger to Startup or Safety Value

Ordering Information

- ADAM-6224 4-ch Isolated Analog Output Modbus TCP Module

Common Specifications

General

- Ethernet 2-port 10/100 Base-TX (for Daisy Chain)
- Protocol Modbus/TCP, TCP/IP, UDP, HTTP, DHCP
- Connector Plug-in 5P/15P screw terminal blocks
- Power Input 10 ~ 30 V_{DC} (24 V_{DC} standard)
- Watchdog Timer System (1.6 seconds)
Communication (Programmable)
- Dimensions 110 x 60 x 27 mm
- Protection Built-in TVS/ESD protection
Power Reversal protection
Over Voltage protection: +/- 35V_{DC}
Isolation protection: 2500 V_{DC}
- Power Consumption ADAM-6217: 3.5W @ 24 V_{DC}
ADAM-6218: 3.5W @ 24 V_{DC}
ADAM-6224: 6W @ 24 V_{DC}

Features

- Daisy chain connection with auto-bypass protection
- Remote monitoring and control with smart phone/pad
- Group configuration capability for multiple module setup
- Flexible user-defined Modbus address
- Intelligent control ability by Peer-to-Peer and GCL function
- Multiple protocol support: Modbus TCP, TCP/IP, UDP, HTTP, DHCP
- Web language support: XML, HTML 5, JavaScript
- System configuration backup
- User Access Control

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)