

ADAM-6217

ADAM-6224

8-ch Isolated Analog Input Modbus TCP Module

4-ch Isolated Analog Output Modbus TCP Module



ADAM-6217



Specifications

Analog Input

- Channels 8 (differential)
- Input Impedance > 10 MW (voltage)
120 W (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/ $^{\circ}$ C
- Zero Drift ± 6 μ V/ $^{\circ}$ C
- Resolution 16-bit
- Accuracy $\pm 0.1\%$ of FSR (Voltage) at 25 $^{\circ}$ C
 $\pm 0.2\%$ of FSR (Current) at 25 $^{\circ}$ C
- Sampling Rate 10 sample/second (total)
- CMR @ 50/60 Hz 92 dB
- NMR @ 50/60 Hz 67 dB
- Common Mode 200 V_{DC}

Ordering Information

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



ADAM-6224



Specifications

Analog Output

- Channels 4
- Output Impedance 2.1 Ω
- Output Settling Time 20 μ s
- Driving Load Voltage: 2k Ω
Current: 500 Ω
- Programmable Output Slope 0.125 ~ 128 mA/sec
0.0625 ~ 64 V/sec
- Output Type V, mA
- Output Range 0 ~ 5 V, 0 ~ 10 V, ± 5 V, ± 10 V, 0 ~ 20 mA, 4 ~ 20 mA
- Accuracy $\pm 0.3\%$ of FSR (Voltage) at 25 $^{\circ}$ C
 $\pm 0.5\%$ of FSR (Current) at 25 $^{\circ}$ C
- Resolution 12-bit
- Current Load Resistor 0 ~ 500 Ω
- Drift ± 50 ppm/ $^{\circ}$ 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, RESTful, SNMP (B version), MQTT (B version)
- 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 70 x 122 x 27 mm
- Protection Built-in TVS/ESD protection
Power Reversal protection
Isolation protection: 2500 V_{DC}
- Power Consumption ADAM-6217: 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, RESTful, SNMP (B version), MQTT (B version)
- Web language support: XML, HTML 5, Java Script
- System configuration backup
- User Access Control

Environment

- Operating Temperature -10 ~ 70 $^{\circ}$ C (14 ~ 158 $^{\circ}$ F)
-40 ~ 70 $^{\circ}$ C (-40 ~ 158 $^{\circ}$ F) (B version)
- Storage Temperature -20 ~ 80 $^{\circ}$ C (-4 ~ 176 $^{\circ}$ F)
-40 ~ 85 $^{\circ}$ C (-40 ~ 185 $^{\circ}$ F) (B version)
- Operating Humidity 20 ~ 95% RH (non-condensing)
- Storage Humidity 0 ~ 95% RH (non-condensing)