ADAM-6217
ADAM-6224

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/°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: 67 dB
- Common Mode: 200 VDC

Ordering Information
- ADAM-6217: 8-ch Isolated Analog Input Modbus TCP Module

Analog Output
- Channels: 4
- Output Impedance: 2.1 Ω
- Output Settling Time: 20 μs
- Driving Load: Voltage: 2kΩ, Current: 500 Ω
- Programmable: 0.125 – 128 mA/sec
- Output Slope: 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: ± 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/IP, UDP, HTTP, DHCP, RESTful, SNMP (B version), MQTT (B version)
- Connector: Plug-in 5P/15P screw terminal blocks
- Power Input: 10 ~ 30 VDC (24 VDC 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
- Power Reversal protection: 2500 VDC
- Power Consumption: ADAM-6217: 3.5W @ 24 VDC, ADAM-6224: 6W @ 24 VDC

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°C (-14 – 158°F) (B version)
- Storage Temperature: -40 ~ +70°C (-40 – 158°F)
- Operating Humidity: 20 – 95% RH (non-condensing)
- Storage Humidity: 0 – 95% RH (non-condensing)