ADAM-6052

16-ch Source-type Isolated Digital I/O Modbus TCP Module

- 8-ch DI, 8-ch DO, Ethernet-based smart I/O
- Remote monitoring and control with mobile devices
- Group configuration capability for multiple module setup
- Flexible user-defined Modbus address
- Intelligent control ability by Peer-to-Peer and GCL function
- Active I/O message by data stream or event trigger function
- Multiple protocol support: Modbus/TCP, TCP/IP, UDP, HTTP, DHCP, SNMP, MQTT
- Web language support: XML, HTML 5, Java Script

ADAM-6000 accomplishes the integration of automation and enterprise systems easily through internet technology, so that users can avoid changing the entire architecture of the control system and even remotely monitor the device status more flexibly. ADAM-6000 modules are empowered by peer-to-peer (P2P) and Graphic Condition Logic (GCL), and can perform as standalone products for measurement, control and automation. Instead of having additional controllers or programming, system configurations can be done in short time with the easy-to-use and intuitive graphic utility.

PRODUCT SPECIFICATIONS

Details	
Display	
LED Indicators	Status, Comm, Link, Speed
Power Supply	
Power Requirement	10~30 VDC
Digital I/O	
Frequency Input	DI counters (32-bit + 1-bit overflow, 3kHz max.)
General	
Watchdog Timer	System (1.6 second) & Communication (programmable)
Temperature (Operating)	-40 ~ 70°C (-40 ~ 158°F)
Humidity	20~95 %RH
Temperature (Storage)	-40 ~ 80°C (-40 ~ 176°F)
Interface	10/100Base-T(X)
Peer-to-Peer	Yes
GCL	Yes

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PRODUCT SPECIFICATIONS

General	
Isolation Protection	2000 VDC
Communication Protocol	Modbus/TCP, TCP/IP, UDP, HTTP, DHCP, SNMP, MQTT
Communication Speed	Ethernet: 10/100Mbps
Comm. Distance	Ethernet: 100 m
Connector	1 x RJ-45 (LAN) & 2 x plug-in terminal block (I/O and power)
Digital Input	
Input Voltage	Dry contact: Logic level 0: close to GND Logic level 1: open Wet contact: Logic level 0: 0~3 VDC Logic level 1: 10~30 VDC
Channels	8
Digital Output	
Channels	8 (Source type) 10~35 VDC, 1 A per ch. Support 5 kHz pulse output

OTHER SPECIFICATIONS

Digital Input
☐
Channels   8 ☐
Dry Contact   Logic level 0: Open
    Logic level 1: Close to Ground ☐
Wet Contact   Logic level 0 : 0 ~ 3 VDC
    Logic level 1 : 10 ~ 30 VDC
☐
Supports 3 kHz Counter Input (32-bit + 1-bit overflow) ☐
Keep/Discard Counter Value when Power-off ☐
Supports 3 kHz Frequency Input ☐
Supports Inverted DI Status ☐

OTHER SPECIFICATIONS

Digital Output
☐
Channels   8 (Source Type) ☐
Voltage Range   10 ~ 35 VDC ☐
Current   1 A (per channel) ☐
Supports 5 kHz Pulse Output ☐
Supports High-to-Low and Low-to-High Delay Output ☐
Supports Over Current Protection
Ordering Information ☐
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COMMON SPECIFICATIONS

General □

LAN	10/100Base-T(X) □
Power Consumption	2 W @ 24 VDC
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 VDC □
Supports Peer-to-Peer □	
Supports GCL □	
Supports Modbus/TCP, TCP/IP, UDP, DHCP, SNMP, HTTP and MQTT Protocol	

Protection □

Power Reversal Protection	
Isolation Protection	2,000 VDC□

Environment
□

Operating Temperature	-20 ~ 70°C (-4 ~ 158°F)
	D version -40 ~ 70°C (-40~158°F)
Storage Temperature	-30 ~ 80°C (-22 ~ 176°F)
	D version -40 ~ 80°C (-40~176°F)
Operating Humidity	20 ~ 95% RH (non-condensing)
Storage Humidity	0 ~ 95% RH (non-condensing)