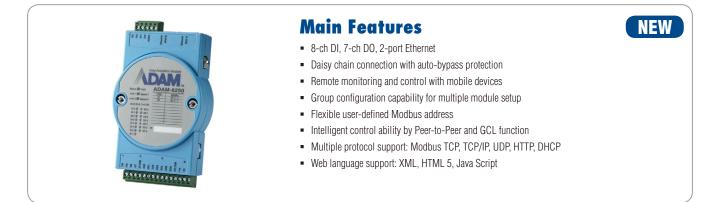
ADAM-6250

15-ch Isolated Digital I/O Modbus TCP Module





Introduction

In order to fulfill ideal remote DAQ devices in IoT world, Advantech releases ADAM-6200 series, a new selection of Ethernet I/O family comprised of analog I/O, digital I/O and relay modules. ADAM-6200 series module possesses plenty of advanced features whatever the evolution of hardware design and what's worth expecting for user is a variety of useful software functions to make it effective in the application field. With new design and strong capabilities, ADAM-6200 can be a well-integrated I/O solution in Ethernet control system.

Features

Daisy Chain Networking and Auto-Bypass Protection

Daisy chain connectivity offers flexible cabling and space saving capabilities. With Ethernet auto-bypss function supported, it prevents accidental power failure if one of the module's unexpectedly shuts down.



Group Configuration Capability for Multiple Module Setup

To aid configuration and save time, engineers can configure and upgrade the firmware of multiple ADAM-6200s simultaneously.



Remote Monitoring and Control with Smart Phone

With support for HTML5, the ADAM-6200 can be monitored and controlled from any browser on mobile devices whilst in the field and when the engineer is connected to their network.



Ethernet I/O Modules

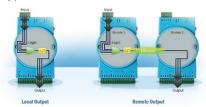
Peer-to-Peer

Modules will actively update the input channel status to specific output channels. Without dealing with the trouble of long distance wiring, users can define the mapping between a pair of modules.

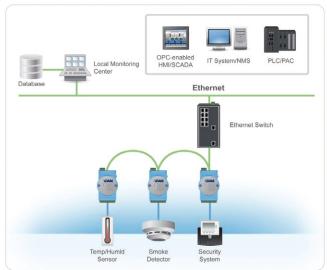


Graphic Condition Logic

Users can define the control logic rules through graphical configuration Utility, and download defined logic rules to specific ADAM module. Then, it will execute the logic rules automatically just like a standalone controller.



Architecture



More Information Click Here

AD\ANTECH All product specifications are subject to change without notice

Remote I/O

ADAM-6250

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Digital Input

- (Chan	nels
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- Dry Contact

8 Logic 0: Open Logic 1: Closed to DGND

Logic 0: 0 ~ 3 V_{DC} or 0 ~ -3 V_{DC} Wet Contact Logic 1: 10 ~ 30 V_{DC} or -10 ~ -30 V_{DC} (Dry/Wet Contact Decided by Switch) 5.2 kW (Wet Contact)

0.2 ms

- Input Impedance
- Transition Time
- Frequency Input Range 0.1 ~ 3kHz 3kHz (32 bit + 1 bit Overflow)
- Counter Input
- Keep/Discard Counter Value when Power Off
- Supports Inverted DI Status

Digital Output

- Channels
- 7 (Sink Type) $10 \sim 30 V_{DC}$
- Output Voltage Range - Normal Output Current 100 mA (Per Channel)
 - Up to 5kHz
- Pulse Output
- Delay Output

General

 Ethernet 2-port 10/100 Base-TX (for Daisy Chain)

High-to-Low and Low-to-High

Power Reversal Protection

- LED Indication 8 DI + 7 DO
- Protocol Modbus/TCP, TCP/IP, UDP, HTTP, DHCP
- Plug-in 5P/15P Screw Terminal Blocks Connector
- Power Input 10 - 30 V_{DC} (24 V_{DC} Standard)
- Watchdog Timer
- Protection
- Over Voltage Protection: +/- 35 VDC Isolation Protection: 2500 Vpc
- Power Consumption 3 W @ 24 Vnc
- Dimensions (W x H x D) 70 x 122 x 27 mm PC
- Enclosure
- DIN 35 Rail, Stack, Wall Mounting

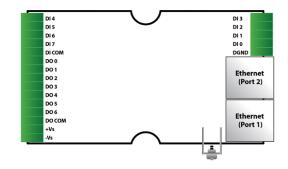
Software

- .NET Class Library (SDK) Windows and Windows CE Class Library, VB and VC# Sample Code for I/O Reading or Configuration and
 - Communication
- Adam/Apax .NET Utility Network Setting, I/O Configuration, Data stream, P2P, GCL Configuration

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)

Pin Assignment



Ordering Information

ADAM-6250

Accessories

- PWR-242
- PWR-243
- PWR-244

Software

- PCLS-ADAMVIEW32
- PCLS-OPC/MTP30
- ADAMView Data Acquisition Software

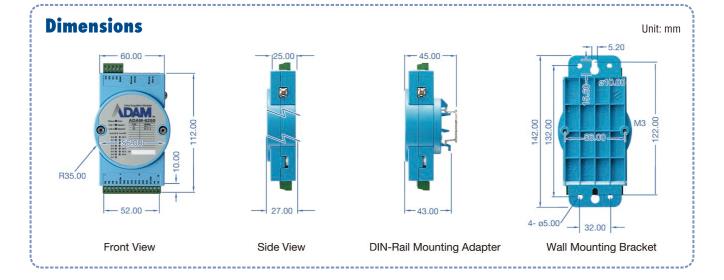
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DIN-rail Power Supply (2.1A Output Current)

Panel Mount Power Supply (3A Output Current)

Panel Mount Power Supply (4.2A Output Current)

OPC Server for Modbus/TCP protocol



System (1.6 Seconds) Communication (Programmable) Built-in TVS/ESD Protection