

ADAM-5630

Edge Intelligent DAQ Controller



Features

- Support Modbus/RTU, Modbus/TCP Master and Slave function libraries
- Support Web server for I/O configuration and monitoring
- C and Python programming based on Linux operating system
- Built-in real-time clock and watchdog timer
- 1 micro SD slot expansion for data storage
- 4 serial communication ports onboard
- 2 Ethernet Ports
- 4 or 8 I/O slot expansion

Specifications

Control System

- CPU TI Cortex-A8 AM3352 600MHz
- Memory RAM 512M
- Battery memory 128K
- OS RT-Linux V3.12, WEC7
- Storage 1 x 512M Flash (System)
1 x Micro-SD (Storage)
- Programming Linux C, Python
- Watch dog Yes
- I/O Slot Optional 8 or 4 slots
- LED Indicators Power, CPU, BAT
- Display VGA
- USB 2 x USB 2.0

Serial Communication

- Max. Nodes 256 (in RS-485 daisy-chain network)
- Distance 1.2Km (4,000feet in RS-485 mode)
- Speed 50-115.2kbps
- Isolation 2500 V_{DC} (COM1,2,3 only)
- Connector COM1: Screw terminal (2-PIN RS-232/485)
COM2: Screw terminal (RS-485)
COM3: Screw terminal (RS-485)
COM4: DB9-M (RS-232/485)

Ethernet Communication

- Connector 2 x RJ45
- Distance 100 m
- Speed 10/100/1000 Base-T

Power Consumption

- Power Consumption 8W
- Power input 10 ~ 30 V_{DC}
- Reverse Protection Yes

General

- Certification CE, FCC Class A
- Dimensions 4-slots 231 x 110 x 75 mm
8-slots 355 x 100 x 75 mm
- Enclosure ABS-PC
- Mounting DIN-rain, stack, wall

Wireless (Plug-in Extension)

- Interface Mini-PCle (USB Signal)
M2.COM(UART Signal)
- Wireless Type Zigbee- UART Signal
Wi-Fi/3G/GPRS- USB Signal

Environment

- Humidity 5 ~ 95% non-condensing
- Operating Temperature -40 ~ 70°C
- Storing Temperature -40 ~ 85°C

Order information

- ADAM-5630-AE 4-slot RISC-based Modular DA&C Controller
- ADAM-5630E-AE 8-slot RISC-based Modular DA&C Controller