ADAM-5630

Edge Intelligent DA & C Platform



Features

- Support Modbus/RTU, Modbus/TCP Master and Slave function libraries
- Support Web server for I/O configuration and monitoring
- IEC 61131-3 (KW) Linux 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 512MB, DDR3L

Battery memory 128K

• RTC (Real Time Clock) Provide second, minute, hour, date, day of week,

month, year

OS RT-Linux V3.12

Storage
 1 x 1GB NAND Flash (system)
 1 x Mirco-SD (Storage)

Programming
 IEC 61131-3 (KW) Linux C, Python

Watch dog
 Yes

• I/O Slot Optional 8 or 4 slots

LED Indicators
 PWR,RUN,ERR,BAT,LED1/2/3/4
 Display
 VGA, Resolution 800 x 600

USB 2 x USB 2.0

Serial Communication

Max. Nodes
 Distance
 256 (in RS-485 daisy-chain network)
 1.2Km (4,000feet in RS-485 mode)

Speed 50-115200 bps

■ 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 RJ45Distance 100 m

Speed 10/100/1000 Mbps

System Software

Embedded Service Web Server, FTP Sever, Telnet Server, SSH Server,

SNMP Server

■ **SDK Provided** Standard SDK by Linux C

Power Consumption

Power Consumption
 Power input
 Reverse Protection

8W
10 ~ 30 V_{DC}
Yes

General

Certification
 CE,FCC Class A (No RED certification)

■ **Dimensions** 4-slots 231 x 110 x 75 mm

8-slots 355 x 110 x 75 mm

■ **Enclosure** ABS-PC

• Mounting DIN-Rail, Wall-Mount

Environment

■ **Humidity** 5 ~ 95% non-condensing

Operating Temperature
 Storing Temperature
 -40 ~ 70°C
 -40 ~ 85°C

Order information

• ADAM-5630-AE(preliminary) 4-slot RISC-based Modular DA&C Controller

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

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