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 Phyton 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 Mirco-SD (Storage)
- **Programming** Linux C, Phyton
- **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-PCIe (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