ADAM-5630
ADAM-5630E

Edge Intelligent DA & C Platform

Features

- Linux C 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 V4.9
- **Storage** 1 x 1GB NAND Flash (system)
1 x Mirco-SD (Storage)
- **Programming** Linux C
- **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** 256 (in RS-485 daisy-chain network)
- **Distance** 1.2Km (4,000feet in RS-485 mode)
- **Speed** RS-232/RS-485: 50 ~ 115.2 kbps
(COM1 & COM4 support 921.6 kbps in RS-485 mode)
- **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 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** 8W
- **Power input** 10 ~ 30 V_{DC}
- **Reverse Protection** Yes

General

- **Certification** FCC Class A
- **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** -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

All product specifications are subject to change without notice.

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