ADAM-5560CE/XPE
ADAM-5560KW

7-slot PC-based Controller with Intel® Atom™ CPU

7-slot Micro PAC with Intel® Atom™ CPU

Features

- Optional SCADA software WebAccess through CTOS
- Integrated VGA port for local display of HMI software
- Can be operated with or without display/ keyboard/ mouse
- Remote monitoring through Web Server
- Remote maintenance via FTP Server
- Supports .NET class library in Windows CE and XP embedded
- Supports IEC-61131-3 SoftLogic Control Software
- Supports Modbus/RTU (Master/Slave) and Modbus/TCP (Server/Client)
- Supports SD Storage I/O Module
- Remote I/O expansion
- Supports ADAM-5000 I/O Modules

RoHS COMPLIANT 2002/95/EC CE FCC

Introduction

ADAM-5560 is a Programmable Automation Controller designed for control tasks which require Industrial PC computing performance with a PLC's robustness. The ADAM-5560 offers an Intel Atom CPU along with control specific features such as watchdog timer, battery backup RAM and deterministic I/O. The ADAM-5560KW features 5 standard IEC 61131-3 programming languages in Windows CE, so PLC users can develop control strategies with their own familiar programming languages. The powerful Multiprog KW Software and stable ProConOS have caused the ADAM-5560KW to become the best choice for a Programmable Automation Controller on the market today. Besides, the ADAM-5560CE offers an open platform that helps users to develop their own program using the common eVC and .NET programming environments to build compact and reliable control solutions. With the optional HMI Software and built-in VGA port, users no longer need to build additional SCADA PC's into their applications. This compact and powerful PAC is ideal for a variety of applications ranging from machine automation to SCADA applications.

Specifications

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Control System

- **CPU** Intel Atom Z510P
- **I/O Capacity** 7 slots
- **LED Indicators** Power, User defined
- **Memory** 1 GB DDR2 SDRAM
  1 MB Battery Backup
  1 x CompactFlash® Card (Internal, 4GB)
- **Operating System** Windows® CE5.0
- **Real-time Clock** Yes
- **Watchdog Timer** Yes
- **Control Software** ADAM-5560CE: eVC and .NET library
  ADAM-5560XPE: .NET library
  ADAM-5560KW: KW Multiprog (development tool)
  ProConOS (runtime Kernel)

Communications

- **Comm. Protocol** Modbus/RTU and Modbus/TCP
- **Medium** 2 x 10/100 Base-T w/ RJ-45
  4 x RS-485 w/ DB9

Protection

- **Communication** RS-485 Isolation 1.5kV for COM1,COM3 and COM4
  RS-485 Isolation 2.5kV for COM2
- **Power Reversal** Yes

Power

- **Power Consumption** 17w @ 24 V_{DC} (Not include I/O modules)
- **Power Input** 12 ~ 24 V_{DC}, ± 20%

General

- **Certification** CE, FCC Class A
- **Connectors** 1 x RS-232/485 (COM1)
  1 x RS-485(COM2)
  1 x RS-232/485(COM3)
  1 x RS-232/485(COM4)
  2 x USB 2.0 ports (KB/Mouse via USB Ports)
  1 x VGA (1024 x 768 Resolution)
- **Dimensions** 355 x 110 x 75 mm
- **Enclosure** ABS+PC
- **Mounting** DIN-rail, wall mount (panel mount)
- **Plug-in Screw Terminal** Accepts 0.5 mm^2 to 2.5 mm^2, 1 – #12 or
  2 - #14 to #22 AWG

Environment

- **Humidity** 5% to 95%, non-condensing
- **Operating Temperature** 0 ~ 55°C (32 ~ 131°F)
- **Storage Temperature** -25 ~ 85°C (-13 ~ 185°F)

Ordering Information

- **ADAM-5560XPE** 7-slot PC-based Controller with Intel ATOM CPU (XP embedded)
- **ADAM-5560CE** 7-slot PC-based Controller with Intel ATOM CPU (WinCE5.0)
- **ADAM-5560KW** 7-slot Micro PAC with Intel Atom CPU
- **ADAM-5030** 2 x SD slots and 2 x USB 2.0
- **2070012606** WebAccess WinCE Option for CTOS

All product specifications are subject to change without notice.