

ADAM-5560CE/XPE

ADAM-5560KW

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

7-slot Micro PAC with Intel® Atom™ CPU

NEW



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

Introduction

The 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

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/Windows XP Embedded
- 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 mm² to 2.5 mm², 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

- **Open Platform Solution**
ADAM-5560 7-slot PC-based Controller with Intel ATOM CPU
SQF-P10S2-16G-ETE Suggested 16G CF NR, DMA (-40 ~ 85°C)
2070012906 WES2009 Eng. for ADAM-5560
- **ADAM-5560CE** 7-slot PC-based Controller with Intel ATOM CPU (WinCE5.0)
- **ADAM-5560KW** 7-slot Micro PAC with Intel Atom CPU