# 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



### 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**

#### **Control System**

CPU Intel Atom Z510PI/O Capacity 7 slots

LED IndicatorsPower, User definedMemory1 GB DDR2 SDRAM

1 MB Battery Backup 1 x CompactFlash® Card (Internal, 4GB)

Operating System Windows® CE5.0

Real-time Clock
 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<sub>DC</sub> (Not include I/O modules)

■ **Power Input** 12 ~ 24 V<sub>DC</sub>, ± 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**

■ **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
 ADAM-5030
 2070012606
 7-slot Micro PAC with Intel Atom CPU
 2 x SD slots and 2 x USB 2.0
 WebAccess WinCE Option for CTOS