

ADAM-5550KW

8-slot Micro PAC with GX2 CPU



Features

- SoftLogic support in Win CE 5.0
- Can be operated with or without display/keyboard/mouse
- Remote monitoring through Web Server and Email Alarm
- Remote maintenance via FTP Server
- Supports Modbus/RTU Master and Modbus/TCP (Server/Client) Protocol
- Supports SQL database
- Supports SD Storage I/O Module
- Supports AMONet Master Module
- Supports Motion Control Module
- Deterministic I/O at 1 ms
- Remote I/O expansibility
- Rich support to ADAM-5000 I/O Modules

Introduction

ADAM-5550KW is a Programmable Automation Controller designed for control tasks which require Industrial PC computing performance with the PLC's robustness. ADAM-5550KW offers an AMD Geode GX533 CPU along with control specific features such as watchdog timer, battery backup RAM and deterministic I/O. ADAM-5550KW features 5 standard IEC - 61131-3 programming languages in CE 5.0, so PLC users can develop control strategies with their own familiar programming languages. The powerful Multiprog KW Software and stable ProConOS have allowed ADAM-5550KW to become the best choice for a Programmable Automation Controller on the market today. With the optional HMI Software and built-in VGA port, no longer will users be required to build up additional SCADA PC's in 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** AMD Geode GX533 (GX2) 330 MHz
- **I/O Capacity** 8 slots
- **LED Indicators** Power, User define
- **Memory** 128 MB DDR SDRAM with 1 MB Battery Backup
1 x CompactFlash® Card (Internal)
- **Operating System** Windows® CE .NET
- **Real-time Clock** Yes
- **Watchdog Timer** Yes

Communications

- **Comm. Protocol** Modbus/RTU and Modbus/TCP
- **Medium** 2 x 10/100 Base-T Ethernet Interface with RJ-45 connectors

Protection

- **Communication** 2,500 V_{dc} (COM2 RS-485)/1,000 V_{dc} (COM4 RS-485)
- **Power Reversal Protection** Yes

Power

- **Power Consumption** 12 W @ 24 V_{dc} (not including I/O modules)
- **Power Input** Unregulated +10 to +30 V_{dc}

Software

- **Operating System** Windows CE .NET
- **Control Software** KW Multiprog (development tool)
ProConOS (runtime kernel)

General

- **Certifications** CE, FCC Class A
- **Connectors** 1 x RS-232/485 (COM1)
1 x RS-485 (COM2)
1 x RS-232 (COM3)
1 x RS-232/485 (COM4)
2 x USB 1.1 ports (KB/Mouse via USB Ports)
1 x VGA (1024 X 768 Resolution)
- **Dimensions** 355 x 110 x 75 mm
- **Enclosure** ABS + PC
- **Plug-in Screw Terminal** Accepts 0.5 mm² to 2.5 mm², 1 - #12 or 2 - #14 to #22 AWG
- **Mounting** DIN-rail, stack, wall

Environment

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

Ordering Information

- **ADAM-5550KW** Micro PAC w/ GX2, KW, 8-slot
- **ADAM-5550KWAS** Micro PAC w/ GX2, KW, AStudio HMI S/W, 8-slot
- **MPROG-BAS46** KW Multiprog v4.6 (128-byte I/O)
- **MPROG-ADV46** KW Multiprog v4.6 (64k-byte I/O)