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 OPC Server (Built in ADAM-5550KWAS only)
- 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

RoHS COMPLIANT 2002/95/EC CE

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)
- **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 5.0
- **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 Vdc (not including I/O modules)
- **Power Input** — Unregulated +10 to +30 V_{DC}

General

- **Certificate** — CE
- **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

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-5550KW** — Micro PAC w/ GX2, KW, 8-slot
- **ADAM-5550KWAS** — Micro PAC w/ GX2, KW, AStudio HMI S/W, 8-slot
- **MPROG-BAS33** — KW Multiprog v3.3 for WinNT/2K/XP (128-byte I/O)
- **MPROG-ADV33** — KW Multiprog v3.3 for WinNT/2K/XP (64k-byte I/O)