



AURORA-AX-6 (JACE 600)



Overview

The Aurora-AX-6 is a compact, embedded controller/server platform. It combines integrated control, supervision, data logging, alarming, scheduling and network management functions with internet connectivity and web serving capabilities in a small, compact platform. The Aurora-AX-6 makes it possible to control and manage external devices over the internet and present real-time information to users in web-based graphical views.

The Aurora-AX-6 is a member of the AIC Wireless suite of wired and wireless controller/server products, software applications and tools which are designed to integrate a variety of devices and protocols into unified, distributed systems. These products are powered by the revolutionary NiagaraAX Framework®, the industry’s first software technology designed to integrate diverse systems and devices into a seamless system. Niagara supports a wide range of protocols including LonWorks™, BACnet™, Modbus, oBIX, and Internet Standards. The AX Framework also includes integrated network management tools to support the design, configuration , installation and maintenance of interoperable networks.

Applications

The Aurora-AX-6 is ideal for smaller facilities, remote sites, and for distributing control and monitoring throughout large facilities, campuses, or municipalities. Optional input/output modules can be plugged in for applications where local control is required. The Aurora-AX-6 also supports a wide range of field busses for connection to remote I/O and standalone controllers. In small facility applications, the Aurora-AX-6 is all you need for a complete system.

The Aurora-AX-6 serves data and rich graphical displays to a standard web browser via an Ethernet LAN or remotely over the internet. In larger facilities, multi-building and large –scale control system integrations, AX Supervisor™ software can be used to aggregate information (real-time data, history, alarms, etc.) from large numbers of Aurora-AX-6 controllers into a single unified application. The AX Supervisor can manage global control functions , support data passing over multiple networks, connect to enterprise level software applications, and host multiple, simultaneous client workstations connected over the local network, the Internet, or dial-up modem.

Features

- ◇ Embedded PowerPC Platform @ 524MHz
- ◇ Supports open and legacy protocols
- ◇ QNX Real-time Operating System
- ◇ Web User Interface (standard) serves rich graphical browser presentations
- ◇ Run stand-alone control, energy management, and integration applications within the Aurora-AX-6 series controllers
- ◇ Supports two optional communications boards
- ◇ Optional 16 and 34 point I/O Modules



Specifications

Platform

- ◇ PowerPC 440 524 MHz processor
- ◇ 128MB DDR RAM & 128 MB Serial Flash
- ◇ Optional 256 MB DDR RAM
- ◇ Battery Backup
- ◇ Real-time clock

Operating System

- ◇ QNX Real-time Operating System
- ◇ IBM J9 JVM Java Virtual Machine
- ◇ Niagara_{AX} 3.4 or later

Power Options

- ◇ Direct connect (Pin compatible) with the NPB-PWR & NPB-PWR-UN power supplies.
- ◇ Modules can be powered directly from select JACE models with 15VDC outputs.
- ◇ External 15 VDC power supply
- ◇ DIN rail or surface mounting

Chassis

- ◇ Construction: Plastic, din rail or screw mount chassis, plastic cover
- ◇ Cooling: Internal air convection

Environment

- ◇ Operating temperature range: 0° to 50°C (32°F to 122°F)
- ◇ Storage Temperature range: 0° to 70°C (32°F to 158°F)
- ◇ Relative humidity range: 5% to 95%, non-condensing

Agency Listings

- ◇ RoHS Compliant
- ◇ BTL
- ◇ UL 916
- ◇ C-UL listed to Canadian Standards Association (CSA) C22.2 No. 205-M1983 "Signal Equipment"
- ◇ CE
- ◇ FCC Part 15 Class A

