

BuildingLogiX™ Pro Series BLX PRO6

Overview

The BuildingLogiX™ Pro Series of Hardware delivers 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 BuildingLogiX™ Pro Series of Hardware makes it possible to control and manage external devices over the Internet and present real-time information to users in web-based graphical views.



BLX PRO6

The power platform for the BuildingLogiX™ Pro Series of Hardware is the BLX PRO6. The PRO6 is a member of the BuildingLogiX™ system of Java based controller/server products, software applications and tools, which are designed to integrate a variety of devices and protocols into unified, distributed systems.

BuildingLogiX™ products are powered by the revolutionary Niagara^{AX} 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 Niagara^{AX} Framework also includes integrated network management tools to support the design, configuration, installation and maintenance of interoperable networks.

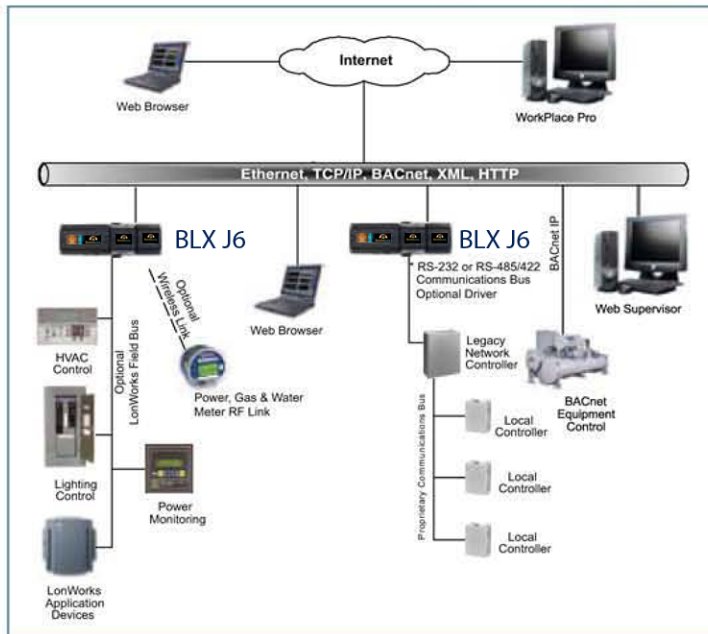
Applications

The PRO6 is ideal for facilities, remote sites, and for distributing control and monitoring throughout large facilities. Optional input/output modules can be plugged in for applications where local control is required. The PRO6 also supports a wide range of field busses for connection to remote I/O and standalone controllers. In small facility applications, the PRO6 is all you need for a complete system.

The PRO6 serves data and rich graphical displays to standard web browsers via an Ethernet LAN, remotely over the Internet, or dial-up modem. In larger facilities, multi-building applications and large-scale control systems integrations, the BuildingLogiX™ AX Supervisor™ software can be used to aggregate information (real-time data, history, alarms, etc.) from large numbers of JACEs into a single unified application. BuildingLogiX™ Pro6 comes standard with base BuildingLogiX™ Applications: EcoRate Lite - real time building performance dashboard and the BuildingLogiX™ Template Station for consistent high quality projects.

Features of BLX PRO6

- Embedded PowerPC Platform @ 524MHz
- Supports open and legacy protocols
- QNX Real-time Operating System
- Web User Interface (standard) serves rich graphical browser presentations
- Includes BuildingLogiX™ Applications: EcoRate Lite and Template Station
- Contains Niagara^{AX}, OBIX Driver and WEB UI
- Optional 16 and 34 point I/O Modules



Drawing shown with optional IO Modules

Ordering Information

PRO6

Base Unit including two Ethernet ports, one RS-232 port, one RS-485 port, one USB port, Web User Interface and Niagara connectivity included. oBIX Client/Server driver included.

Specifications

Platform

- PowerPC 4440 524 MHz processor
- 128MB DDR RAM & 128 MB Serial Flash
- Optional 256 MB DDR RAM
- Battery Backup
- Real-time clock

Optional Communications Cards

NPB-LON Optional 78 Kbps FTT10 A Lon Adapter

NPB-232 Optional RS-232 port adapter with 9 pin Dshell connector

NPB-2X-485 Optional dual port RS-485 adapter; electronically isolated

Memory Upgrade Option

NPB-256 Upgrade RAM memory to 256 MB RAM

Operating System

- QNX Real-time Operating System
- IBM J9 JVM Java Virtual Machine
- Niagara^{AX} 3.1 or greater

Power Supply

NPB-PWR Optional: 24 Volt AC/DC power supply module, Din Rail mounted

Optional Wall Power Modules -

(Note: All modules are universal input 90 - 240 volts, 50/60 Hz.; the model numbers below represent the various plug configurations only)

WPM-US 120 Vac, 50 - 60 Hz. US

NPB-PWR-UN

Optional universal voltage input power supply module, Din Rail mounted. Input voltage is 90 - 263 Volts AC, 50/60 Hz, auto adjusting.

Optional I/O Modules

IO-34 - 34 Point I/O Module

- Max of 1 per PRO6; includes integral 24 volt AC/DC input power supply for PRO6 and IO; no other power required
- 16 Universal Inputs (Type 3 (10k) Thermistors, 0-1000 ohm, 0-10 volts, 0-20 mA with external resistor)
- 10 relay outputs (Form A contacts, 24 VAC @ .5 amp rated)
- 8 analog outputs (0-10 volt DC)

IO-16 - 16 Point I/O Module

- Up to 4 per PRO6, 2 per PRO6 if combined with a 34 Point I/O module
- 8 analog outputs (0-10 volt DC) 8 Universal Inputs (Type 3 (10k) Thermistors, 0-1000 ohm, 0-10 volts, 0-20 mA with external resistor)
- 4 relay outputs (Form A contacts, 24 VAC @ .5 amp rated)
- 4 analog outputs (0-10 volt DC)

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
- ### Environment
- UL 916, C-UL listed to Canadian Standards Association (CSA) C22.2 No.
 - 205-M1983 "Signal Equipment", CE, FCC part 15 Class A.