

# WEB-600E

## SPECIFICATION DATA



## OVERVIEW

The WEB-600E™ is a compact, embedded controller/server platform. Building on the WEB-600, 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 WEB-600E 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 WEB-600E is a member of Honeywell's suite of 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 leading software technology designed to integrate diverse systems and devices into a seamless system. WEBs-AX supports a wide range of protocols including LonWorks™, BACnet™, Modbus, oBIX and Internet standards. The WEBs-AX Framework also includes integrated network management tools to support the design, configuration, installation and maintenance of interoperable networks.

The WEB-600E enhancements include data recovery services for battery less operation and increased operating ambient temperature. Battery maintenance is no longer necessary when using data recovery services. However, the WEB-600E

can still be installed with an optional battery and can provide up to 10 minutes of operation during power outages and disturbances if equipped.

## APPLICATIONS

The WEB-600E is ideal for smaller 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 WEB-600E also supports a wide range of field busses for connection to remote I/O and standalone controllers. In small facility applications, the WEB-600E is all you need for a complete system.

The WEB-600E serves data and rich graphical displays to a standard web browser via an Ethernet LAN or remotely over the Internet, or dial-up modem. In larger facilities, multi-building applications and large-scale control system integrations, WEBs-AX Supervisor™ software can be used to aggregate information (real-time data, history, alarms, etc.) from large numbers of WEBs into a single unified application. The WEBs-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 WEB-600E series controllers**
- **Supports two optional communications boards**
- **Optional 16 and 34 point I/O Modules**
- **Data Recovery Services prevents data loss during power interruptions**
- **Optional battery is available for extended runtime**



## ORDERING INFORMATION

### JACE and Memory Upgrade Option

Part Number	Description
WEB-600E	WEBS-AX Controller including two Ethernet ports, one RS-232 port, one RS-485 port, Web User Interface and Niagara Connectivity included. oBIX Client/Server driver included.
WEB-600E-O	WEBS-AX Controller with Open License including two Ethernet ports, one RS-232 port, one RS-485 port, Web User Interface and Niagara Connectivity included. oBIX Client/Server driver included.
WEB-600E-US	WEBS-AX Controller including two Ethernet ports, one RS-232 port, one RS-485 port, Web User Interface and Niagara Connectivity included. oBIX Client/Server driver included. US Model.
WEB-600E-US-O	WEBS-AX Controller with Open License including two Ethernet ports, one RS-232 port, one RS-485 port, Web User Interface and Niagara Connectivity included. oBIX Client/Server driver included. US Model.
NPM-256MB	Upgrade RAM memory to 256 MB DDR.

### Optional Communications Cards

Part Number	Description
NPB-LON	Optional 78 Kbps FTT10 A Lon Adapter
NPB-RS232	NPB-232 - Optional RS-232 port adapter with 9 pin D- shell connector
NPB-2X-RS485	Optional dual port RS-485 adapter; electrically isolated
NPB-GPRS-W-H	GPRS Modem Option Card
NPB-ZWAVE	ZWAVE Option Card for North America
NPB-SED-001	Sedona Wireless Option Card

### Power Supply & Optional Power Modules

NOTE: All modules are universal input 90 – 240 volts, 50/60 Hz.; the model numbers below represent the various plug configurations only (except NPB-PWR-UN-H)

Part Number	Description
NPB-PWR-H	Optional: 24 Volt AC/DC power supply module, Din Rail mounted
NPB-WPM-US	120 Vac, 50-60 Hz. US
NPB-PWR-UN-H	Optional universal voltage input power supply module, Din Rail mounted. Input voltage is 90-263 Volts AC, 50/60 Hz auto adjusting. Acceptable for ambient temperatures between 0-50°C.
NPB-BATTERY	Optional Battery Kit. Provides up to 10 minutes of runtime during power outages and disturbances

### Optional IO Modules

Part Number	Description
IO-16-H	Optional 16 point IO module; directly connects to a WEBS controller IO connector.
IO-34-H	Optional 34 point IO Module; directly connects to a WEBS controller IO connector.
IO-16-REM-H	Optional remote 16 point IO module, RS-485 bus connected to WEB-600E; up to 16 units may be connected max., additional power supply required to power the remote IO.

# SPECIFICATIONS

## Platform

PowerPC 440 524 MHz processor  
128MB DDR RAM & 128 MB Serial Flash  
Optional 256 MB DDR RAM  
SRAM Data Recovery Services  
Real-time clock

## Operating System

QNX Real-time Operating System  
Oracle Hotspot Java 5 VM  
WEBs-AX 3.6 Maintenance or later

## Optional I/O Modules

### *IO-34-H - 34 Point I/O Module*

Max of 1 per WEB-600E; includes integral 24 volt AC/DC input power supply for WEB-201 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-H - 16 Point I/O Module*

Up to 4 per WEB-600E, 2 per WEB-600E if combined with a 34 Point I/O module

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)

### *IO-16-REM-H Remote IO module*

16 IO Points per device

8 Universal Inputs - Type 3 (10k) Thermistors, 0-100K ohm, 0-10 vdc, 0-20 mA with external resistor

4 relay outputs (Form A contacts, 24 VAC @ 0.5 amp rated)

4 analog outputs (0-10 vdc)

Up to 16 remote IO-16-REM-H modules max per WEB-600E

## Power Options

Direct connect (Pin compatible) with the NPB-PWR-H & NPB-PWR-UN-H power supplies.

Modules can be powered directly from select controller models with 15VDC outputs.

External 15 VDC power supply

DIN rail or surface mounting

Optional battery kit provides up to 10 minutes of runtime during power outages and disturbances

## Chassis

Construction: Plastic, din rail or screw mount chassis, plastic cover

Cooling: Internal air convection

## Environment

Operating temperature range: 0° to 60°C (32°F to 140°F)

Operating temperature range: 0° to 50°C (32°F to 122°F)  
w/ optional battery kit

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

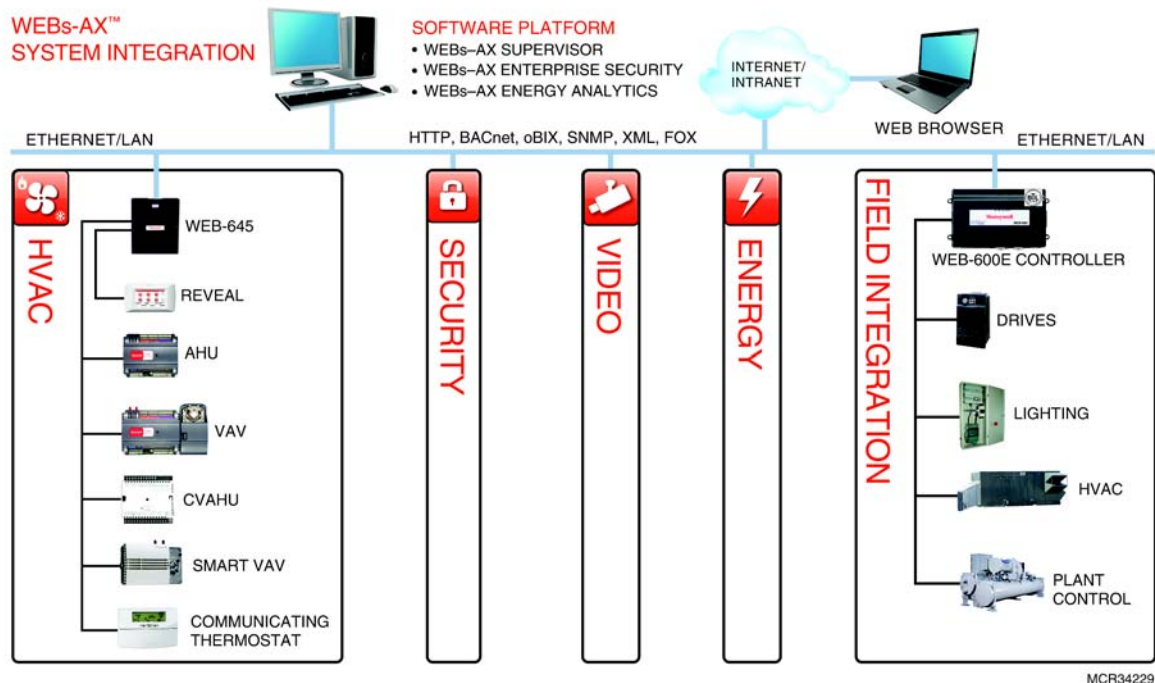
UL 916

C-UL listed to Canadian Standards Association (CSA) C22.2  
No. 205-M1983 "Signal Equipment"

CE

FCC part 15 Class A

# ARCHITECTURE



## Automation and Control Solutions

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