



## Overview

The BA540 is part of the NBIS series of web-enabled SCADA systems with integrated Building Energy Management, running on an embedded compact PC. This fully featured Energy and Building Automation System uses latest state-of-the-art software and high-performance hardware ingredients to comprehensively manage, monitor and control HVAC, lighting and energy use.

In addition to its truly open architecture, this modular system in-a-box offers a web browser based SCADA system allowing the end user to monitor, operate and maintain a building remotely from anywhere through any available personal computer or smart phone that is connected to the internet.

The embedded BA540 is so small that it mounts on a DIN rail. Utilizing a 1.6 GHz Intel®'s Atom Processor, the BA540 performs with the functionality of a normal PC. Taking advantage of Windows 7 Touch, the BA540 comes optional with a touch screen for easy handling and wall mounting.

## Features

- SCADA, Energy Management System, Scheduler and Trend Logging applications included
- Supports up to 1500 points
- 1 Remote Web Client license included
- Supports all major building automation protocols (LON IP-852 (Ethernet/IP), BACNET, Modbus) at no additional licensing cost
- Compact Size (0.8 liter), 170 x 47 x 110 mm (6.7 x 1.9 x 4.3")
- Fan-less
- Optional SSD HDD

### CPU & I/O Specifications

Chipset	Proprietary motherboard, Intel® Atom N270 Processor 945GSE / ICH7-M
Memory	Up to 2GB DDR2 533MHz SO-DIMM RAM
HDD	1x 2.5" SATA HDD or 1x Internal Compact Flash Type II slot
Front I/O Jacks	1x Line-Out 1x MIC-In 2x USB2.0 ports 1x eSATA connector
Rear I/O Jacks	1x DC12V input 1x DVI-I output 2x USB2.0 ports 1x RJ-45, GbE port 2x DB9 male COM Ports (2x RS-232/422/485, 5V/12V voltage selected by BIOS setting) 1x DB9 female COM Port

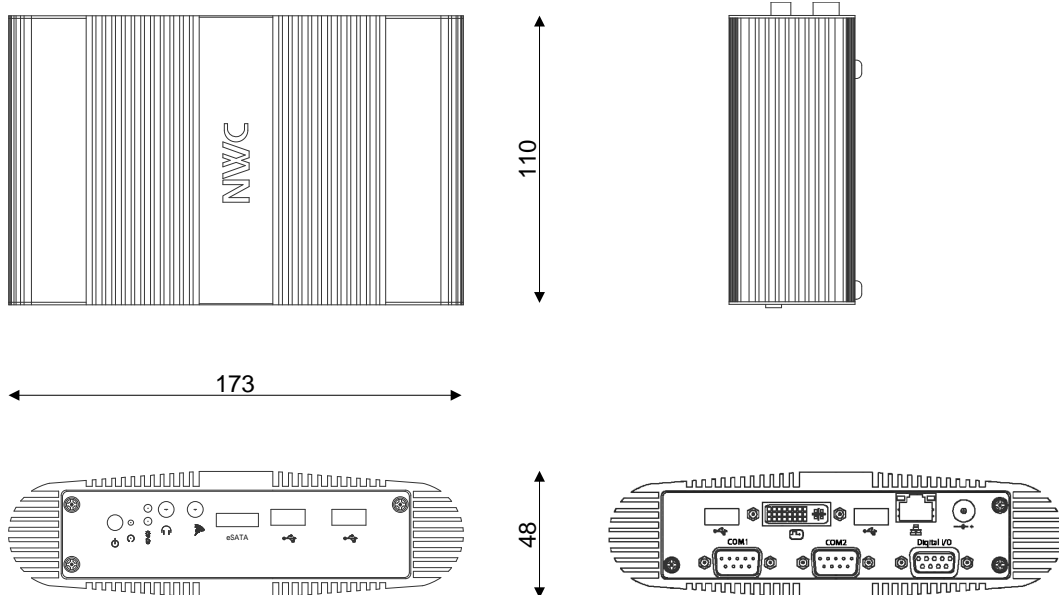
### Specifications

Dimensions	170 x 47 x 110 mm (6.7 x 1.9 x 4.3")
Power supply	AC adaptor: 100-240 VAC, 50-60 Hz Output: 30W 12VDC , 2.5A

### Selectable

OS	Windows XP Pro / Windows 7 Pro
Storage	HDD / SSD

### Dimensions



(unit: mm)

**NETWORK** Corporation  
NBIS URL: [www.nbis-energy.com](http://www.nbis-energy.com)

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