

# Data Sheet: BACTrax BAS-1

## Overview

The BACTrax BAS-1 is a stand-alone, embedded, web-based graphical interface for BACnet building automation and process/access control systems.

## Hardware

The BACTraxBAS-1 uses flash memory for internal storage. It contains no hard disk or other moving parts. The Linux operating system is used for enhanced security and stability. The BACTrax BAS-1 is totally self-contained.

## Interface

All set up and user interactions are performed via a web browser. No dedicated PC or external applications are required. The user interface utilizes HTML5 to allow for advanced graphical features and drag and drop setup. No knowledge of HTML, XML, JavaScript or any other programming language is required to set up or use The BACTrax BAS-1 (a scripting language is included for optional light control logic.)

## Operation

The BACTrax BAS-1 will automatically scan the BACnet network and create the Object Tree when first powered up, and will constantly monitor for new devices or devices that have gone offline or need attention.

### Features:

- Graphic displays with over 25 gadgets, including containers to embed trends, schedules and remote HTML content.
- Internally maintained schedules, or edit schedules in other BACnet devices.
- Trend collection, display and export data from built-in trends or from other devices.
- Alarm condition monitoring from all devices with email notification.
- Internal holiday calendars, or edit calendars in other devices.
- Full-featured BACnet browser/explorer with editing of all standard BACnet properties, as well as most proprietary primitive properties.
- Simple scripting language for light control logic.
- Database of up to 100 users and 100 user groups.
- Multiple simultaneous users.
- Activity log for tracking important user actions.
- No artificial limits on the number of BACnet devices or objects it can support.

### Hardware Specifications:

- CPU: 1.8 GHZ quad-core ARM Cortex A72
- RAM: 2 GB LPDDR4-3200 SDRAM
- Storage: 16 GB NAND Flash
- 1 Gigabit Ethernet Port
- 2 USB 3.0 ports; 2 USB 2.0 ports
- Operating Temp: 0 – 50 degrees C ambient
- Battery Backed Real Time Clock
- RoHS, FCC and CE Compliant
- Power: 5V DC @ 3a via USB-C
- 3.54 x 2.44 x 2.83 inches (9 x 6.2 x 7.2cm)

### Requirements:

No software is required other than an HTML5 compatible web browser.

### Recommended browsers:

- Windows: Chrome
- Android: Chrome
- iPhone/iPad/Mac: Safari
- Linux: Chrome

Most other browsers should work, with possible minor visual differences.

For more information go to [www.cprbestek.com](http://www.cprbestek.com)

Introduction and extensive tutorial videos are available.