

BAS-3500BC

Web-enabled BACnet DDC Controller



Features

- Standalone programmable controller
- Comprehensive management and system functions (alarm management, time scheduling, remote management, access protection etc.)
- Reliable and remote programming software (BASPro) provides BA domain function (scheduler, HVAC calculation, sequence...)
- Supports BACnet IP for uplink and BACnet MS/TP for remote I/O
- Auto-tuning PID control
- Calendar schedule control

Introduction

The BAS-3500BC is an Ethernet-based, standalone programmable controller specially designed for the BACnet standard building automation (BA) applications. As a native BACnet® Building Controller (B-ASC), BAS-3500BC integrates into any 3rd-party BACnet® system with low and predictable effort. It supports BACnet MS/TP, also features powerful BASPro programming tool for engineers to quickly develop their application. BASPro tool delivers many function blocks suitable for BA application, such as scheduler, HVAC, sequential control, PID control, alarm, and event. Its compact size makes it an ideal solution to fulfill BA installation environment. The I/O expansion modules (BAS-3018BC, BAS-3024BC, BAS-3050BC, BAS-3051BC) provide more I/O points and make the system a scalable solution.

Specifications

General

- **Certification** CE, FCC, BTL
- **Mounting** DIN-rail, wall mount
- **Dimensions (W x H x D)** 176 x 110 x 39.2mm (6.93" x 4.33" x 1.54")
- **Power Input** 24V_{DC}/24V_{AC}
- **Power Consumption** 3W@24V_{DC}
- **Real-time Clock** Yes
- **Watchdog Timer** Yes

Hardware

- **CPU** 32-bit CPU 312 MHz
- **Flash Memory** 32MB
- **RAM** 64M SDRAM
- **Battery Backup SRAM** 512KB

Communication

- **LAN** 1 x 10/100Base-T (RJ-45) BACnet/IP server
- **COM1** RS-485 BACnet MS/TP
- **COM1** RS-485 BACnet MS/TP
- **COM3** RS-485 Modbus RTU Master
- **COM4** RS-485 A Bus Extension (AdvanTech product use)

Environment

- **Operating Temperature** -10 ~ 60°C (14 ~ 140°F)
- **Storage Temperature** -20 ~ 80°C (-4 ~ 176°F)
- **Operating Humidity** 20 ~ 95% (Non-condensing)
- **Storage Humidity** 0 ~ 95% (Non-condensing)

Ordering Information

- **BAS-3500BC-AE** Web-enabled BACnet DDC Controller