



BACstac/32 V 7.8

BACnet Protocol Stack for Microsoft Embedded Systems (32-bit and 64-bit)

with source code

The Cimetrics BACstac/32 saves man-years of development when your company needs to develop BACnet-compliant applications that run on embedded controllers. BACstac with a source code will give you an opportunity to develop applications supporting BACnet routing functionality and the creation of multi-device gateways.

Many Building Automation and Controls manufacturers use a Cimetrics BACstac protocol stack because of our reputation for delivering high-quality software and excellent technical support. Cimetrics does the heavy lifting of testing the BACstac with all of the latest embedded systems and implementing the new Addenda approved by the BACnet Committee in a timely fashion. We keep our customers UP-TO-DATE with the latest BACnet features and make sure that the code with compatible with the ENDLESS Linux and ARM Cortex versions and changes.

BACstac/Win features:

- > Designed for Linux 2.6 and later
- > **New! Added support for Addendum br, bt, bu, bz, bj. New Who-Am-I and You-Are Services.**
- > BACstac 7.8 supports all required functionality of BACnet Protocol Revision 22 for all BACnet profiles: B-XAWS, B-AWS, B-OWS, B-OD, B-ALSWs, B-LSWS, B-LSAP, B-AACWS, B-ACWS, B-ACSD, B-BC, B-AAC, B-ASC, B-SA, B-SS, B-ALSC, B-LSC, B-AACC, B-ACC, B-RTR, B-GW, B-BBMD, B-ACDC, and B-ACCR
- > Most optional functionality is also supported with the following exceptions: Virtual Terminal services (Chapter 17), Slave Proxy functionality (DM-SP-B), BACnet Web Services.
- > Operating systems supported: Linux 2.6 and later
- > Development tools: For Linux-based target platforms, supported development environments are gcc version 4.1 or later, Perl 5.6 or later (5.8 is recommended). For lower-end ARM Cortex M microprocessors (M0 to M4) suggest using uBACstac, BACstac/32 works with Cortex M7. ARM Cortex family includes very powerful Cortex-A series, which run Linux and are perfectly supported by both BACstac/32 and BACstac/Linux.
- > Documentation provided: User's Guide, Porting Guide and Programmers Reference
- > Code Provided: Example programs, unit tests, makefiles for both, and complete C-language source code.

BACnet services supported: supports all required functionality of BACnet Protocol Revision 22 for all BACnet profiles.

BACnet objects types supported: Analog Input, Analog Output, Analog Value, Averaging, Audit Log, Audit Reporting, Binary Input, Binary Output, Binary Value, Calendar, Command, Device, Escalator Group, Elevator-Group, Event Enrollment, File, Group, Life Safety Point, Life Safety Zone, Lift, Loop, Multi-state Input, Multi-state Output, Multi-state Value, Notification Class, Program, Pulse Converter, Schedule, Trend Log, Access Door, Event Log, Load Control, Structured View, Trend Log Multiple, Access Point, Access Zone, Access User, Access Rights, Access Credential, Credential Data Input, CharacterString Value, DateTime Value, Large Analog Value, BitString Value, OctetString Value, Time Value, Integer Value, Positive Integer Value, Date Value, DateTime Pattern Value, Time Pattern Value, Date Pattern Value, Network Security, Global Group, Notification Forwarder, Alert Enrollment, Channel, Lighting Output, Binary Lighting Output, Network Port, Elevator Group, Lift, Escalator, Accumulator, Network Security, Timer, Staging.

Cimetrics Inc.

Boston, MA USA, +1 (617)350-7550

<http://www.cimetrics.com>, products@cimetrics.com