BACnet is a registered trademark of ASHRAE. ASHRAE does not endorse, approve or test products for compliance with ASHRAE standards. Compliance of listed products to the requirements of ASHRAE Standard 135 is the responsibility of BACnet International. BTL is a registered trademark of BACnet International.

# BACnet Testing Laboratories Product Listing

*BACnet functionality in each Listed product has been successfully tested at a Recognized BACnet Testing Organization utilizing the industry standard BTL test suite and test policies that were current at the time it was tested. For Listings with multiple products, some products may have less functionality than is indicated by the Listing document. The PICS document provides information on the specific functionality of each product. Note that PICS documents on the BTL Listings site are provided by the manufacturer and are not independently verified by BTL.*

## Listing Information (BTL-31650)

| Vendor | | Listing Status |
|---|---|---|
| DEOS AG<br>Birkenallee 76<br>48432 Rheine<br>Germany | | Listed Product |
| Test Requirements | BACnet Protocol Revision | Date Tested |
| Requirements as of November 2025 | Revision 26 | September 2026 |

| Product Name | Model Numbers | Firmware version |
|---|---|---|
| OPEN.WRX EMS | DS-OPEN.WRX Secure EMS RS232,<br>DS-OPEN.WRX Secure EMS CAN,<br>DS-OPEN.WRX Secure EMS RS485 | 4.0.2 |

## Device Profiles

| Profile | Model Numbers |
|---|---|
| BACnet Building Controller (B-BC)<br>BACnet Broadcast Management Device (B-BBMD)<br>BACnet Router (B-RTR)<br>BACnet Secure Connect Hub (B-SCHUB)<br>BACnet Gateway (B-GW) | All models |

## BIBBs Supported

| | | |
|---|---|---|
| Data Sharing | ReadProperty-A | DS-RP-A |
| | ReadProperty-B | DS-RP-B |
| | ReadPropertyMultiple-A | DS-RPM-A |
| | ReadPropertyMultiple-B | DS-RPM-B |
| | WriteProperty-A | DS-WP-A |
| | WriteProperty-B | DS-WP-B |
| | WritePropertyMultiple-B | DS-WPM-B |
| | Change Of Value-A | DS-COV-A |
| | Change Of Value-B | DS-COV-B |
| | Change Of Value Property-B | DS-COVP-B |
| | Change Of Value Unsubscribed-A | DS-COVU-A |
| | Change Of Value Unsubscribed-B | DS-COVU-B |

| | | |
|---|---|---|
| Alarm and Event Notification | Notification Internal-B | AE-N-I-B |
| | Notification External-B | AE-N-E-B |
| | Acknowledge-B | AE-ACK-B |
| | Alarm Summary-B | AE-ASUM-B |
| | Enrollment Summary-B | AE-ESUM-B |
| | Information-B | AE-INFO-B |
| | Event Log-Internal-B | AE-EL-I-B |
| | Configurable Recipient Lists-B | AE-CRL-B |

| | | |
|---|---|---|
| Scheduling | Internal-B | SCHED-I-B |
| | External-B | SCHED-E-B |

| | | |
|---|---|---|
| Trending | Viewing and Modifying Trends Internal-B | T-VMT-I-B |
| | Viewing and Modifying Trends External-B | T-VMT-E-B |
| | Automated Trend Retrieval-B | T-ATR-B |
| | Viewing and Modifying Multiple Values Internal-B | T-VMMV-I-B |
| | Automated Multiple Value Retrieval-B | T-AMVR-B |

| | | |
|---|---|---|
| Device Management | Dynamic Device Binding-A | DM-DDB-A |
| | Dynamic Device Binding-B | DM-DDB-B |
| | Dynamic Object Binding-B | DM-DOB-B |
| | DeviceCommunicationControl-B | DM-DCC-B |
| | TimeSynchronization-A | DM-TS-A |
| | TimeSynchronization-B | DM-TS-B |
| | UTCTimeSynchronization-A | DM-UTC-A |
| | UTCTimeSynchronization-B | DM-UTC-B |
| | ReinitializeDevice-B | DM-RD-B |
| | Backup and Restore-B | DM-BR-B |
| | Restart-B | DM-R-B |
| | List Manipulation-B | DM-LM-B |
| | Object Creation and Deletion-B | DM-OCD-B |
| | Automatic Time Synchronization-A | DM-ATS-A |
| | Slave Proxy-B | DM-SP-B |
| | Router Configuration-B | NM-RC-B |
| | BBMD Configuration-B | NM-BBMDC-B |
| | Foreign Device Registration-A | NM-FDR-A |
| | Secure Connect Hub-B | NM-SCH-B |
| | Secure Connect Direct Connect-A | NM-SCDC-A |
| | Secure Connect Direct Connect-B | NM-SCDC-B |
| | Embedded Objects-B | GW-EO-B |

## Object Type Support

| | | |
|---|---|---|
| Accumulator | Analog Input | Analog Output |
| Analog Value | Binary Input | Binary Output |
| Binary Value | Bitstring Value | Calendar |
| Characterstring Value | Command | Datetime Pattern Value |
| Device | Event Enrollment | Event Log |
| File | Integer Value | Large Analog Value |
| Loop | Multi-State Input | Multi-State Output |
| Multi-State Value | Network Port | Notification Class |
| Positive Integer Value | Program | Pulse Converter |
| Schedule | Structured View | Trend Log |
| Trend Log Multiple | | |

## Data Link Layer Options

| Media | Options |
|---|---|
| BACnet/IP (Annex J) | BBMD<br>Register as Foreign Device<br>BACnet/IP, 'DIX' Ethernet |
| MS/TP Manager | 9600, 19200, 38400, 57600, 76800 |
| BACnet/SC | Hub |

## Character Set Support

ISO 10646 (UTF-8)
ISO 10646 (UCS-4)
ISO 10646 (UCS-2)
ISO 8859-1