

ICONICS
GENESIS64 – Platform Services 10.7
BACnet Advanced Workstation PICS

Version 10.7

**BACnet Protocol Implementation
Conformance Statement**



OPC Automation at your fingertips

Date: July 24, 2012
Vendor Name: ICONICS, Inc
Product Name: GENESIS64 – Platform Services
Application Software Version: 10.7
BACnet Protocol Revision: 7

Product Description:

GENESIS64 – Platform Services provides the ability to monitor and control BACnet devices over a BACnet/IP network, or through a BACnet router to any BACnet device.

BACnet Standardized Device Profile (Annex L):

- BACnet Advanced Operator Workstation (B-AWS)**
- BACnet Operator Workstation (B-OWS)
- BACnet Operator Display (B-OD)
- BACnet Building Controller (B-BC)
- BACnet Advanced Application Controller (B-AAC)
- BACnet Application Specific Controller (B-ASC)
- BACnet Smart Sensor (B-SS)
- BACnet Smart Actuator (B-SA)

BACnet Interoperability Building Blocks (BIBBs) Supported:

Data Sharing

- DS-RP-A Data Sharing - Read Property - A
- DS-RP-B Data Sharing - Read Property - B
- DS-RPM-A Data Sharing - Read Property Multiple - A
- DS-WP-A Data Sharing - Write Property – A
- DS-WP-B Data Sharing - Write Property – B
- DS-WPM-A Data Sharing – Write Property Multiple - A
- DS-COV-A Data Sharing – COV – A
- DS-AV-A Data Sharing – Advanced View – A
- DS-AM-A Data Sharing – Advanced Modify - A

Alarm and Event Management

- AE-N-A Alarm and Event – Notification – A
- AE-ACK-A Alarm and Event – ACK – A
- AE-ELV-A Alarm and Event – Event Log View – A
- AE-ELVM-A Alarm and Event – Event Log View and Modify – A
- AE-VN-A Alarm and Event – View Notification – A
- AE-AVN-A Alarm and Event – Advanced View Notification – A
- AE-AVM-A Alarm and Event – Advanced View Modify – A
- AE-ASV-A Alarm and Event – Alarm Summary View – A

Scheduling

- SCHED-AVM-A Scheduling – Advanced View Modify – A
- SCHED-VM-A Scheduling – View Modify – A

Trending

- T-V-A Trending – Viewing – A
- T-AVM-A Trending – Advanced View and Modify – A
- T-ATR-A Trending – Automated Trend Retrieval – A
- T-AMVR-A Trending – Automated Multiple Value Retrieval – A

Device & Network Management

- DM-DDB-A Device Management – Dynamic Device Binding – A
- DM-DDB-B Device Management – Dynamic Device Binding – B
- DM-DOB-A Device Management – Dynamic Object Binding – A
- DM-DOB-B Device Management – Dynamic Object Binding – B
- DM-ADM-A Device Management – Automatic Device Mapping – A
- DM-ANM-A Device Management – Automatic Network Mapping – A
- DM-MTS-A Device Management – Manual Time Synchronization – A
- DM-ATS-A Device Management – Automated Time Synchronization – A
- DM-DCC-A Device Management – Device Communication Control – A
- DM-RD-A Device Management – Reinitialize Device – A
- DM-BR-A Device Management – Backup and Restore – A
- DM-OCD-A Device Management – Object Creation and Deletion – A
- DM-LM-A Device Management – List Manipulation – A
- DM-LM-B Device Management – List Manipulation – B

Segmentation Capability

- Able to transmit segmented messages Window Size: Configurable
- Able to receive segmented messages Window Size: Configurable

Standard Object Types Supported**Device Object**

Dynamically creatable	No
Dynamically Delete-able	No
Optional Properties Supported	Location Description Max_Segments_Accepted Local_Time Local_Date UTC_Offset Daylight_Savings_Status ADPU_Segment_Timeout Time_Synchronization_Recipients

	UTC_Time_Synchronization_Recipients Time_Synchronization_Interval Configuration_Files Last_Restore_Time Backup_Failure_Timeout Active_COV_Subscriptions Profile_Name
Write-able properties	Application_Software_Version Location Description Max_Segments_Accepted ADPU_Segment_Timeout ADPU_Timeout Number_Of_APDU_Retries Backup_Failure_Timeout Time_Synchronization_Recipients Time_Synchronization_Interval UTC_Time_Synchronization_Recipients
Proprietary properties	Connect_Strings (Property ID 1005) Device_Scan_Enable (Property ID 512, writable) Local_Device_ID (Property ID 513) Device_Scan_Status (Property ID 520)

File Object

Dynamically creatable	No
Dynamically Delete-able	No
Optional Properties Supported	Description Profile_Name
Write-able properties	Description
Proprietary properties	File_Name (Property ID 555)

Data Link Layer Options

Data Link	Options
BACnet/IP (Annex J)	Can communicate as a Direct BACnet/IP device

Device Address Binding

Static Binding Supported	Yes
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Networking Options:

- BACnet/IP Broadcast Management Device (BBMD)
Does the BBMD support registrations by Foreign Devices? Yes No

Character Sets Supported:

Character Sets supported
ANSI X3.4
IBM Microsoft DBCS
ISO 8859-1