

BACnet Protocol Implementation Conformance Statement

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Vendor Name: Ges Teknik A.S.

Product Name: AW-WSHP-Gateway

Product Model Number: SMC-GT-BAC2K15

Application Software Version: 1.20

Firmware Revision: 2.60

BACnet Protocol Revision: Version 1, Revision 16

Product Description:

AW-WSHP-Gateway product is a kind of application specific gateway device. This product will be used for BACnet communication of Airwell WSHP devices. Airwell is a register trademark and all rights reserved.

BACnet Standardized Device Profile (Annex L):

- BACnet Operator Workstation (B-OWS)
- BACnet Advanced Operator Workstation (B-AWS)
- 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)

List all BACnet Interoperability Building Blocks Supported (Annex K):

Data Sharing	Data Sharing – ReadProperty – B	DS-RP-B
	Data Sharing – ReadPropertyMultiple – B	DS-RPM-B
	Data Sharing – WriteProperty – B	DS-WP-B
	Data Sharing - WritePropertyMultiple – B	DS-WPM-B
Device Management	Device Management – Dynamic Device Binding – B	DM-DDB-B
	Device Management – Dynamic Object Binding – B	DM-DOB-B
	Device Management – DeviceCommunicationControl – B	DM-DCC-B

Segmentation Capability:

- Able to transmit segmented messages Window Size: N/A
- Able to receive segmented messages Window Size: N/A

Standard Object Types Supported:

Object Type	Supported	Creatable	Deleteable
Analog Input	•		
Analog Value	•		
Binary Input	•		
Binary Value	•		
Device	•		

Analog Input Object Type

Property Name	Mandatory	Optional	R/W	Range
Object_Identifier	•		R	
Object_Name	•		R	
Object_Type	•		R	
Present_Value	•		R	
Description		•	R	
Status_Flags	•		R	
Event_State	•		R	
Out_Of_Service	•		R	
Units	•		R	
Property_List	•		R	

Analog Value Object Type

Property Name	Mandatory	Optional	R/W	Range
Object_Identifier	•		R	
Object_Name	•		R	
Object_Type	•		R	
Present_Value	•		R/W	
Description		•	R	
Status_Flags	•		R	
Event_State	•		R	
Out_Of_Service	•		R	
Units	•		R	
Priority_Array		•	R	
Relinquish_Default		•	R	
Min_Pres_Value		•	R	
Max_Pres_Value		•	R	
Property_List	•		R	

Binary Input Object Type

Property Name	Mandatory	Optional	R/W	Range
Object_Identifier	•		R	
Object_Name	•		R	
Object_Type	•		R	
Present_Value	•		R	
Description		•	R	
Status_Flags	•		R	
Event_State	•		R	
Out_Of_Service	•		R	
Polarity	•		R	
Property_List	•		R	

Binary Value Object Type

Property Name	Mandatory	Optional	R/W	Range
Object_Identifier	•		R	
Object_Name	•		R	
Object_Type	•		R	
Present_Value	•		R/W	
Description		•	R	
Status_Flags	•		R	
Event_State	•		R	
Out_Of_Service	•		R	
Priority_Array		•	R	
Relinquish_Default		•	R	
Property_List	•		R	

Device Object Type

Property Name	Mandatory	Optional	R/W	Range
Object_Identifier	•		R/W	
Object_Name	•		R	
Object_Type	•		R	
System_Status	•		R	
Vendor_Name	•		R	
Vendor_Identifier	•		R	
Model_Name	•		R	
Firmware_Revision	•		R	
Application_Software_Version	•		R	
Description		•	R	
Protocol_Version	•		R	
Protocol_Revision	•		R	
Protocol_Services_Supported	•		R	
Protocol_Object_Types_Supported	•		R	
Object_List	•		R	

Property Name	Mandatory	Optional	R/W	Range
Max_APDU_Length_Accepted	•		R	
Segmentation_Supported	•		R	
APDU_Timeout	•		R	
Number_Of_APDU_Retries	•		R	
Max_Master		•	R/W	
Max_Info_Frames		•	R	
Device_Address_Binding	•		R	
Database_Revision	•		R	
Property_List	•		R	

Data Link Layer Options:

- BACnet IP, (Annex J)
- BACnet IP, (Annex J), Foreign Device
- ISO 8802-3, Ethernet (Clause 7)
- ATA 878.1, 2.5 Mb. ARCNET (Clause 8)
- ATA 878.1, EIA-485 ARCNET (Clause 8), baud rate(s) _____
- MS/TP master (Clause 9), baud rate(s): **9600, 19200, 38400, 76800**
- MS/TP slave (Clause 9), baud rate(s): _____
- Point-To-Point, EIA 232 (Clause 10), baud rate(s): _____
- Point-To-Point, modem, (Clause 10), baud rate(s): _____
- LonTalk, (Clause 11), medium: _____
- BACnet/ZigBee (Annex O) _____
- Other:

Device Address Binding:

Is static device binding supported? (This is currently necessary for two-way communication with MS/TP slaves and certain other devices.) Yes No

Networking Options:

- Router, Clause 6 - List all routing configurations, e.g., ARCNET-Ethernet, Ethernet-MS/TP, etc.
- Annex H, BACnet Tunneling Router over IP
- BACnet/IP Broadcast Management Device (BBMD)
 - Does the BBMD support registrations by Foreign Devices? Yes No
 - Does the BBMD support network address translation? Yes No

Character Sets Supported:

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

- ISO 10646 (UTF-8)
- IBM™/Microsoft™ DBCS
- ISO 8859-1
- ISO 10646 (UCS-2)
- ISO 10646 (UCS-4)
- JIS X 0208

If this product is a communication gateway, describe the types of non-BACnet equipment/networks(s) that the gateway supports:

Not Applicable

Network Security Options:

- Non-secure Device - is capable of operating without BACnet Network Security
- Secure Device - is capable of using BACnet Network Security (NS-SD BIBB)
 - Multiple Application-Specific Keys
 - Supports encryption (NS-ED BIBB)
 - Key Server (NS-KS BIBB)