

BACnet Protocol Implementation Conformance Statement

Date: Feb 27, 2015

Vendor Name: Delta Controls Inc.

Product Name: enteliBUS

Product Model Number: eBCON, eBMGR

Product Version: 4.0

BACnet Protocol Revision: 14

Product Description

The enteliBUS CPU Engine (eB-Eng) and associated firmware provides fully programmable capabilities to a range of Delta controller products. Although hardware features (Ports, I/O) may vary in each product, they all use the same BACnet firmware and communicate on a BACnet network (Ethernet, IP, and MS/TP supported). All products support all the BACnet capabilities indicated unless otherwise noted.

BACnet Standardized Device Profile (Annex L)

Product Model Name	Product Model Number	BACnet Device Profile
enteliBUS	eBCON, eBMGR	BACnet Building Controller (B-BC)

BACnet Interoperability Building Blocks (Annex K)

Data Sharing	DS-RP-A	Data Sharing-ReadProperty-A
	DS-RP-B	Data Sharing-ReadProperty-B
	DS-RPM-A	Data Sharing-ReadPropertyMultiple-A
	DS-RPM-B	Data Sharing-ReadPropertyMultiple-B
	DS-WP-A	Data Sharing-WriteProperty-A
	DS-WP-B	Data Sharing-WriteProperty-B
	DS-WPM-A	Data Sharing-WritePropertyMultiple-A
	DS-WPM-B	Data Sharing-WritePropertyMultiple-B
	DS-COV-A	Data Sharing-COV-A
	DS-COV-B	Data Sharing-COV-B
	DS-COVU-A	Data Sharing-COV-Unsolicited-A
	DS-COVU-B	Data Sharing-COV-Unsolicited-B
	DS-COVP-A	Data Sharing – COVP-A
	DS-COVP-B	Data Sharing – COVP-B

Alarm and Event Management	AE-N-A	Alarm and Event-Notification-A
	AE-N-I-B	Alarm and Event-Notification Internal-B
	AE-N-E-B	Alarm and Event-Notification External-B
	AE-ACK-B	Alarm and Event-ACK-B
	AE-ASUM-B	Alarm and Event-Alarm Summary-B
	AE-ESUM-B	Alarm and Event-Enrollment Summary-B
	AE-INFO-B	Alarm and Event-Information-B

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

Trending	T-VMT-I-B	Trending-Viewing and Modifying Trends-Internal-B
	T-VMT-E-B	Trending-Viewing and Modifying Trends-External-B
	T-ATR-B	Trending-Automated Trend Retrieval-B

Device and 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-DCC-B	Device Management-DeviceCommunicationControl-B
	DM-PT-A	Device Management-Private Transfer-A
	DM-PT-B	Device Management-Private Transfer-B
	DM-TS-A	Device Management-TimeSynchronization-A ¹
	DM-TS-B	Device Management-TimeSynchronization-B ²
	DM-UTC-A	Device Management-UTC TimeSynchronization-A ¹
	DM-UTC-B	Device Management-UTC TimeSynchronization-B ²
	DM-RD-B	Device Management-ReinitializeDevice-B
	DM-BR-B	Device Management-Backup and Restore-B

	DM-LM-B	Device Management-List Manipulation-B
	DM-OCD-B	Device Management-Object Creation and Deletion-B

¹ Based on the UTC settings in the Device object. When UTC is enabled, both DM-TS-A and DM-UTC-A is supported, otherwise only DM-TS-A is supported.

² Based on the UTC setting in the Device object. When UTC is enabled, DM-UTC-B is supported. When UTC is disabled DM-TS-B is supported. Dates before January 1, 2000 or after December 31, 2099 will be ignored.

Segmentation Capability

- Able to transmit segmented message Window Size is 1
- Able to receive segmented message Window Size is 1

Standard Object Types Supported

- Dynamically creatable using the CreateObject service, except Device or File object.
- Dynamically deletable using the DeleteObject service, except Device or File object.

Standard Properties Summary

Object Type	Property Identifier	Writable	Optional
Analog Input	Acked_Transitions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	COV_Increment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Deadband	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Device_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Algorithm_Inhibit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Algorithm_Inhibit_Ref	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Detection_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Texts	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Texts_Config	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Time_Stamps	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	High_Limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Limit_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Low_Limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Max_Pres_Value	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Min_Pres_Value	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Notification_Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Notify_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Profile_Name	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability_Evaluation_Inhibit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Resolution	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Delay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Delay_Normal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Update_Interval	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Object_Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Out_Of_Service	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Present_Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Analog Output	Acked_Transitions	<input type="checkbox"/>
COV_Increment		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Deadband		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Description		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Device_Type		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Event_Algorithm_Inhibit		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Event_Algorithm_Inhibit_Ref		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Event_Detection_Enable		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Event_Enable		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Event_Message_Texts		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Object Type	Property Identifier	Writable	Optional
Analog	Event_Message_Texts_Config	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Output		
	Event_Time_Stamps	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	High_Limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Limit_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Low_Limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Max_Pres_Value	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Min_Pres_Value	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Notification_Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Notify_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Profile_Name	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability_Evaluation_Inhibit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Resolution	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Delay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Delay_Normal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Object_Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Present_Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Analog Value	Acked_Transitions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	COV_Increment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Deadband	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Algorithm_Inhibit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Algorithm_Inhibit_Ref	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Detection_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Texts	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Texts_Config	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Time_Stamps	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	High_Limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Limit_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Low_Limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Max_Pres_Value	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Min_Pres_Value	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Notification_Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Notify_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Priority_Array	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Profile_Name	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability_Evaluation_Inhibit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Relinquish_Default	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Resolution	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Delay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Analog Value	Time_Delay_Normal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Object_Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Present_Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Object Type	Property Identifier	Writable	Optional
	Units	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Binary Input	Acked_Transitions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Active_Text	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Alarm_Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Change_Of_State_Count	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Change_Of_State_Time	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Device_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Elapsed_Active_Time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Algorithm_Inhibit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Algorithm_Inhibit_Ref	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Detection_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Texts	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Texts_Config	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Time_Stamps	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Inactive_Text	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Notification_Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Notify_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Profile_Name	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability_Evaluation_Inhibit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Delay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Delay_Normal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Of_Active_Time_Reset	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Of_State_Count_Reset	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Object_Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Out_Of_Service	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Polarity	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Present_Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Binary Output	Acked_Transitions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Active_Text	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Change_Of_State_Count	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Change_Of_State_Time	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Device_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Elapsed_Active_Time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Algorithm_Inhibit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Algorithm_Inhibit_Ref	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Detection_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Texts	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Texts_Config	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Time_Stamps	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Feedback_Value	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Object Type	Property Identifier	Writable	Optional
	Inactive_Text	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Minimum_Off_Time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Minimum_On_Time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Notification_Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Notify_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Profile_Name	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability_Evaluation_Inhibit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Delay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Delay_Normal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Of_Active_Time_Reset	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Of_State_Count_Reset	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Object_Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Polarity	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Present_Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Relinquish_Default	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Binary Value	Acked_Transitions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Active_Text	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Alarm_Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Change_Of_State_Count	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Change_Of_State_Time	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Elapsed_Active_Time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Algorithm_Inhibit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Algorithm_Inhibit_Ref	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Detection_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Texts	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Texts_Config	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Time_Stamps	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Inactive_Text	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Minimum_Off_Time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Minimum_On_Time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Notification_Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Notify_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Priority_Array	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Profile_Name	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability_Evaluation_Inhibit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Relinquish_Default	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Delay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Delay_Normal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Object Type	Property Identifier	Writable	Optional
	Time_Of_Active_Time_Reset	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Of_State_Count_Reset	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Object_Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Present_Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Relinquish_Default	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Calendar	Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Profile_Name	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Date_List	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Object_Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Present_Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Device	APDU_Segment_Timeout	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Active_COV_Subscriptions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Active_VT_Sessions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Align_Intervals	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Auto_Slave_Discovery	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Backup_And_Restore_State	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Backup_Failure_Timeout	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Backup_Preparation_Time	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Configuration_Files	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Daylight_Savings_Status	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Interval_Offset	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Last_Restart_Reason	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Last_Restore_Time	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Local_Date	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Local_Time	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Location	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Manual_Slave_Address_Binding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Max_Info_Frames	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Max_Master	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Max_Segments_Accepted	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Profile_Name	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Restart_Notification_Recipients	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Restore_Completion_Time	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Restore_Preparation_Time	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Serial_Number	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Slave_Address_Binding	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Slave_Proxy_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Structured_Object_List	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Of_Device_Restart	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Synchronization_Interval	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Synchronization_Recipients	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	UTC_Offset	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Object Type	Property Identifier	Writable	Optional
	UTC_Time_Synchronization_Recipients	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	VT_Classes_Supported	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	APDU_Timeout	<input type="checkbox"/>	<input type="checkbox"/>
	Align_Intervals	<input type="checkbox"/>	<input type="checkbox"/>
Event	Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Enrollment	Event_Algorithm_Inhibit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Algorithm_Inhibit_Ref	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Texts	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Texts_Config	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Fault_Parameters	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Fault_Type	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Profile_Name	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability_Evaluation_Inhibit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Delay_Normal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Acked_Transitions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Event_Parameters	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Notification_Class	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Object_Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Object_Property_Reference	<input checked="" type="checkbox"/>	<input type="checkbox"/>
File Object	Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Profile_Name	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Record_Count	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	FIL.Archive	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	FIL.File_Access_Method	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	FIL.File_Size	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	FIL.File_Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	FIL.Object_Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Loop Object	Acked_Transitions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Bias	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	COV_Increment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Deadband	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Derivative_Constant	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Derivative_Constant_Units	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Error_Limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Algorithm_Inhibit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Algorithm_Inhibit_Ref	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Detection_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Texts	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Texts_Config	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Time_Stamps	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Object Type	Property Identifier	Writable	Optional
	Integral_Constant	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Integral_Constant_Units	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Maximum_Output	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Minimum_Output	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Notification_Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Notify_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Profile_Name	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Proportional_Constant	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Proportional_Constant_Units	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability_Evaluation_Inhibit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Delay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Delay_Normal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Update_Interval	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Action	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Controlled_Variable_Reference	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Object_Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Out_Of_Service	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Present_Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Priority_For_Writing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Setpoint_Reference	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Multi-State Value	Acked_Transitions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Alarm_Values	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Algorithm_Inhibit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Algorithm_Inhibit_Ref	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Detection_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Texts	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Texts_Config	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Time_Stamps	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Fault_Values	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Notification_Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Notify_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Priority_Array	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Profile_Name	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability_Evaluation_Inhibit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Relinquish_Default	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	State_Text	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Delay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Delay_Normal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Object_Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Object Type	Property Identifier	Writable	Optional
	Out_Of_Service	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Present_Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Notification Class	Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Profile_Name	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Ack_Required	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Object_Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Priority	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Recipient_List	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Program Object	ACKed_Transitions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Description_Of_Fault	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Detection_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Text	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Texts_Config	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_State	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Time_Stamps	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Instance_Of	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Notification_Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Notify_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Profile_Name	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Program_Location	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Reason_For_Halt	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability_Evaluation_Inhibit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Object_Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Program_Change	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Schedule	Acked_Transitions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Detection_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Texts	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Texts_Config	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_State	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Time_Stamps	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Exception_Schedule	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Notification_Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Notify_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Profile_Name	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability_Evaluation_Inhibit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Weekly_Schedule	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Effective_Period	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Object Type	Property Identifier	Writable	Optional
	List_Of_Object_Property_References	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Object_Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Out_Of_Service	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Present_Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Priority_For_Writing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Reliability	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Schedule_Default	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Weekly_Schedule	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Trend Log	Acked_Transitions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Align_Intervals	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	COV_Resubscription_Interval	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Client_COV_Increment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Algorithm_Inhibit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Algorithm_Inhibit_Ref	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Detection_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Texts	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Texts_Config	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Time_Stamps	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Interval_Offset	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Last_Notify_Record	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Log_DeviceObjectProperty	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Log_Interval	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Notification_Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Notification_Threshold	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Notify_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Profile_Name	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Records_Since_Notification	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability_Evaluation_Inhibit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Start_Time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Stop_Time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Trigger	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Enable	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Logging_Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Object_Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Record_Count	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Stop_When_Full	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Multi State	Acked_Transitions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Input	Alarm_Values	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Object Type	Property Identifier	Writable	Optional
	Device_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Algorithm_Inhibit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Algorithm_Inhibit_Ref	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Detection_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Enable	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Texts	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Texts_Config	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Time_Stamps	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Fault_Values	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Notification_Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Notify_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Profile_Name	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability_Evaluation_Inhibit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	State_Text	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Delay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Delay_Normal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Object_Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Out_Of_Service	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Present_Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Multi State	Acked_Transitions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Output	Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Device_Type	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Algorithm_Inhibit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Algorithm_Inhibit_Ref	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Detection_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Texts	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Message_Texts_Config	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Event_Time_Stamps	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Feedback_Value	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Notification_Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Notify_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Profile_Name	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Reliability_Evaluation_Inhibit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	State_Text	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Delay	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Time_Delay_Normal	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Object_Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Present_Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Relinquish_Default	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Object Type	Property Identifier	Writable	Optional
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Proprietary Properties Summary

Proprietary properties are supported.

Data Link Layer Options

- BACnet IP, (Annex J)
- BACnet IP, (Annex J), Foreign Device
- ISO 8802-3, Ethernet (Clause 7) 10Base2, 10Base5, 10BaseT, Fiber
- MS/TP master (Clause 9), baud rate(s): 9600, 19200, 38400, 76800

Device Address Binding

Is static device binding supported? Yes No

(Necessary for two-way communication with MS/TP slaves and certain other devices.)

Networking Options

- eBMGR: Router between 1 Ethernet network, 2 BACnet/IP networks, 2 MS/TP networks
- eBCON: Router between 1 Ethernet network, 1 BACnet/IP network, and 1 MS/TP network
- Annex H, BACnet Tunneling
- BACnet/IP Broadcast Management Device (BBMD)
Does the BBMD support registrations by Foreign Devices? Yes No

Character Set Supported

- UTF-8

Communication Gateway

Not Applicable