Honeywell

Excel Web II

Date: 26-Sep-2013
Vendor Name: Honeywell International Inc.
Product Name: Excel Web II
Product Model Numbers:
XL2026B2A, XL2026B0A, XL2000B2A, XL2000B0A
XL2014B2A, XL2014B0A, XL2014B2B, XL2014B0B
Applications Software Version: Depends on the application built with CARE 10
Firmware Revision: 12-00-04 (download package 3-01-02)
BACnet Protocol Revision: 1.12 (ASHRAE 135-2010)

Product Description:

The Excel Web II controller is a general purpose, freely programmable building automation controller. It uses BACnet/IP and BACnet/MSTP communication with other controllers and with operator workstations.

BACnet Standardized Device Profile (Annex L):

☐ BACnet Operator Workstation (B-OWS)
☑ 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 Supported (Annex K):

Data Sharing:

DS-RP-A	Read Property-A
DS-RP-B	Read Property-B
DS-RPM-A	Read Property Multiple-A
DS-RPM-B	Read Property Multiple-B
DS-WP-A	Write Property-A
DS-WP-B	Write Property-B
DS-WPM-B	Write Property Multiple-B
DS-COV-A	Change of Value-A
DS-COV-B	Change of Value-B
DS-COVP-B	Change of Value of Properties-B (supported only for following properties: Program_State, Record_Count, Records_Since_Notify, Limit_Enable, Out_Of_Service, Event_State, Reliability, High_Limit Low_Limit)

Alarm and Event Management:

AE-N-I-B	Alarm & Event Notification Internal-B
AE-ACK-B	Alarm & Event Acknowledgement-B
AE-INFO-B	Alarm & Event Information-B
AE-ESUM-B	Alarm & Event-Enrollment-Summary-B
AE-ASUM-B	Alarm Summary (for compatibility with older workstations)-B

Scheduling:

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

Trending

T-VMT-I-B	Viewing & Modifying Trend Internal-B
T-ATR-B	Automated Trend Retrieval-B

Device Management

DM-DDB-A	Dynamic Device Binding-A
DM-DDB-B	Dynamic Device Binding-B
DM-DOB-A	Dynamic Object Binding-A
DM-DOB-B	Dynamic Object Binding-B
DM-DCC-B	Device Communication Control-B
DM-PT-A	Private Transfer-A
DM-PT-B	Private Transfer-B
DM-TS-B	Time Synchronization-B
DM-UTC-B	Universal Time Synchronization-B
DM-RD-B	Reinitialize Device-B
DM-BR-B	Backup/Restore-B
DM-LM-B	List Manipulation-B
DM-OCD-B	Object Create & Delete-B
NM-CE-A	Connection Establishment-A
NM-RC-B	Router Configuration-B

Standard Object Types Supported:

Object Type	Dynamically creatable	Dynamically deletable
Analog Input		
Analog Output		
Analog Value		
Binary Input		
Binary Output		
Binary Value		
Calendar	Yes	Yes
Device		
Event Enrolment		
File		
Multistate Input		
Multistate Output		
Multistate Value		
Notification Class		
Program		
Pulse Converter		
Schedule	Yes	Yes
Trendlog	Yes	Yes

General Limits
- Object_Name size = 40 characters
- Description size = 132 characters
- Password size for Device Communication Control = 20 characters
  (BACnet Password = User Name + ':' + Password)

Analog Input

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R		
Object_Type	R		0
Present_Value	R		
Description	O	writable	
Status_Flags	R		
Event_State	R		
Reliability	O		Possible unreliable conditions are: NO_SENSOR, OPEN_LOOP (for internal temperature sensors) OPEN_LOOP (for 2.110V inp.) UNRELIABLE_OTHER (for external IOs)
Out_Of_Service	R	writable	
Units	R		
Min _Pres_Value	O	writable	
Max_Pres_Value	O	writable	
Resolution	O		
COV_Increment	O	writable	
Time_Delay	O	writable	
Notification_Class	O	writable	
High_Limit	O	writable	
Low_Limit	O	writable	
Deadband	O	writable	
Limit_Enable	O	writable	
Event_Enable	O	writable	
Acked_Transitions	O		
Notify_Type	O	writable	
Event_Time_Stamps	O		
Profile_Name	O		17-XLWEB2-AI
Read_Access_Level	P		P512, Unsigned8
Write_Access_Level	P		P513, Unsigned8
Color_Map	P		P522, Unsigned8
Safety_Value	P	writable	P760, REALor NULL (NULL means remain)
Terminal_PV	P		P765, CharacterString only for built-in inputs
Sensor_Offset	P	writable	P761, REAL not for LON inputs

Analog Output

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R		
Object_Type	R		1
Present_Value	W	writable	
Description	O	writable	
Status_Flags	R		
Event_State	R		
Reliability	O		
Out_Of_Service	R	writable	
Units	R		
Min_Pres_Value	O	writable	
Max_Pres_Value	O	writable	
Resolution	O		
Priority_Array	R		
Relinquish_Default	R	writable	
COV_Increment	O	writable	
Time_Delay	O	writable	
Notification_Class	O	writable	
High_Limit	O	writable	
Low_Limit	O	writable	
Deadband	O	writable	
Limit_Enable	O	writable	
Event_Enable	O	writable	
Acked_Transitions	O		
Notify_Type	O	writable	
Event_Time_Stamps	O		
Profile_Name	O		17-XLWEB2-AO
Read_Access_Level	P		P512 Unsigned8
Write_Access_Level	P		P513 Unsigned8
Color_Map	P		P522 Unsigned8
Currently_Active_Priority	P		
Safety_Position	P	writable	P759 REAL or NULL (NULL means remain)
Terminal_PV	P		P765 CharacterString only for built-in outputs
Time_To_Open	P	writable	P762 Unsigned16 (sec)
Time_To_Close	P	writable	P763 Unsigned16 (sec)
Direct_Reverse	P		P766 Enumerated (0=Direct, 1=Reverse, 255=DirNul) only for Panelbus or built-in outputs

Analog Value

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R		
Object_Type	R		2
Present_Value	R		
Description	O	writable	
Status_Flags	R		
Event_State	R		
Reliability	O		
Out_Of_Service	R	writable	
Units	R		
Priority_Array	O		
Relinquish_Default	O	writable	
COV_Increment	O	writable	
Time_Delay	O	writable	
Notification_Class	O	writable	
High_Limit	O	writable	
Low_Limit	O	writable	
Deadband	O	writable	
Limit_Enable	O	writable	
Event_Enable	O	writable	
Acked_Transitions	O		
Notify_Type	O	writable	
Event_Time_Stamps	O		
Profile_Name	O		17-XLWEB2-AV
Read_Access_Level	P		P512 Unsigned8
Write_Access_Level	P		P513 Unsigned8
EOH_EOV_Optimization_Flag	P		P515 BOOLEAN
Color_Map	P		P522 Unsigned8
Currently_Active_Priority	P		P732 Unsigned(1..17)
DP_Is_Setpoint	P		P624 BOOLEAN

Binary Input

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R		
Object_Type	R		3
Present_Value	R		
Description	O	writable	
Status_Flags	R		
Event_State	R		
Reliability	O		
Out_Of_Service	R	writable	
Polarity	R		
Inactive_Text	O	readable	
Active_Text	O	readable	
Change_Of_State_Time	O		
Change_Of_State_Count	O		
Time_Of_State_Count_Reset	O		
Elapsed_Active_Time	O		
Time_Of_Active_Time_Reset	O		
Time_Delay	O	writable	
Notification_Class	O	writable	
Alarm_Value	O	writable	
Event_Enable	O	writable	
Acked_Transitions	O		
Notify_Type	O	writable	
Event_Time_Stamps	O		
Profile_Name	O		17-XLWEB2-BI
Read_Access_Level	P		P512 Unsigned8
Write_Access_Level	P		P513 Unsigned8
Color_Map	P		P522 Unsigned8
Safety_Value	P	writable	P760 BinaryPV or NULL (NULL means remain)
Terminal_PV	P		P765 CharacterString only for built-in inputs

Binary Output

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R		
Object_Type	R		4
Present_Value	W	writable	
Description	O	writable	
Status_Flags	R		
Event_State	R		
Reliability	O		
Out_Of_Service	R	writable	
Polarity	R		
Inactive_Text	O	readable	
Active_Text	O	readable	
Change_Of_State_Time	O		
Change_Of_State_Count	O		
Time_Of_State_Count_Reset	O		
Elapsed_Active_Time	O		
Time_Of_Active_Time_Reset	O		
Priority_Array	R		
Time Delay	O	writable	
Relinquish_Default	R	writable	
Time Delay	O	writable	
Notification Class	O	writable	
Feedback Value	O	readable	
Profile_Name	O		17-XLWEB2-BO_NOAL
Read_Access_Level	P		P512 Unsigned8
Write_Access_Level	P		P513 Unsigned8
EOH_EOV_Optimization_Flag	P		P515 BOOLEAN
Color_Map	P		P522 Unsigned8
Currently_Active_Priority	P		P732 Unsigned(1..17)
Safety_Position	P	writable	P759 BACnetBinaryPV or NULL (NULL means remain)
Terminal_PV	P		P765 CharacterString only for built-in outputs

Binary Value

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R		
Object_Type	R		5
Present_Value	R		
Description	O	writable	
Status_Flags	R		
Event_State	R		
Reliability	O		
Out_Of_Service	R	writable	
Inactive_Text	O		
Active_Text	O		
Change_Of_State_Time	O		
Change_Of_State_Count	O		
Time_Of_State_Count_Reset	O		
Elapsed_Active_Time	O		
Time_Of_Active_Time_Reset	O		
Priority_Array	O		
Time Delay	O	writable	
Relinquish_Default	O	writable	
Time_Delay	O	writable	
Notification_Class	O	writable	
Alarm_Value	O	writable	
Event_Enable	O	writable	
Acked_Transitions	O		
Notify_Type	O	writable	
Event_Time_Stamps	O		
Profile_Name	O		17-XLWEB2-BV
Read_Access_Level	p		P512 Unsigned8
Write_Access_Level	P		P513 Unsigned8
EOH_EOV_Optimization_Flag	P		P515 BOOLEAN
Color_Map	P		P522 Unsigned8
Currently_Active_Priority	P		P732 Unsigned(1..17)
DP_Is_Setpoint	P		P624 BOOLEAN

Calendar

Creatable, Deletable

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R	writable	
Object_Type	R		6
Description	O	writable	
Present_Value	R		
Date_List	R	writable	
Profile_Name	O		17-XLWEB2-CAL
Read_Access_Level	P		P512 Unsigned8
Write_Access_Level	P		P513 Unsigned8

Device

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R		
Object_Type	R		8
System_Status	R		
Vendor_Name	R		"Honeywell International Inc. "
Vendor_Identifier	R		17
Model_Name	R		"XLWEB2"
Firmware_Revision	R		
Application_Software_Version	R		
Location	O		
Description	O		
Protocol_Version	R		1
Protocol_Revision	R		12
Protocol_Services_Supported	R		
Protocol_Object_Types_Supported	R		
Object_List	R		
Max_APDU_Length_Accepted	R		
Segmentation_Supported	R		
Max_Segmenst_Accepted	O		
Local_Time	O		
Local_Date	O		
UTC_Offset	O		
Daylight_Saving_Status	O		
APDU_Segment_Timeout	O		
APDU_Timeout	R		
Number_Of_APDU_Retries	R		
Max_Master	O		
Max_Info_Frames	O		
Device_Address_Binding	R		
Database_Revision	R		
Configuration_Files	O		
Last_Restore_Time	O		
Backup_Failure_Timeout	O	writable	
Backup_Preparation_Time	O		1 sec
Restore_Preparation_Time	O		1 sec
Restore_Completion_Time	O		45 sec
Backup_And_Restore_State	O		
Active_COV_Subscriptions	O		
Last_Restart_Reason	O		
Time_Of_Device_Restart	O		
Profile_Name	O		17-XLWEB2-DEV2
IP_Address	P		P516 CharacterString
Project_Name	P		P523 CharacterString
Time_Of_Last_ Restart	P		P524 BACnetDateTime For compatibility: a copy of Time_Of_Device_Restart
Alarm_Email_State	P		P527 Enumeration
Test_Email_State	P		P528 Enumeration
Last_Email_Status	P		P529 Enumeration
Number_Of_Points_In_Alarm	P		P612 Unsigned
Who_Is_Who_Has_Range_Min	P	writable	P613 Unsigned
Who_Is_Who_Has_Range_Max	P	writable	P614 Unsigned
Hardware_Identifier	P		P744 CharacterString

Licensing_Status	P		P615 Unsigned
Contr_MAC_Addr	P		P616 CharacterString Ethernet MAC address
Contr_MAC_Addr2	P		P622 CharacterString Ethernet MAC address
Contr_Family_Name	P		P617 CharacterString "Universal BACnet Controllers"
Contr_OS_Number	P		P618 CharacterString
Contr_Date_Code	P		P619 CharacterString calendar week / year
Manufacturing_Location	P		P620 CharacterString
Unique_Contr_ID	P		P621 CharacterString
Object_Synch_Version	P		P623 CharacterString "1.0.0"

Event Enrollment

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R		
Object_Type	R		9
Description	O	writable	
Event_Type	R		
Notify_Type	R	writable	
Event_Parameters	R	writable	Event Type must not be changed
Object_Property_Reference	R		
Event_State	R	writable	
Event_Enable	R	writable	
Acked_Transitions	R		
Notification_Class	R	writable	
Event_Time_Stamps	R		
Profile_Name	O		17-XLWEB2-EE
Read_Access_Level	P		P512 Unsigned8
Write_Access_Level	P		P513 Unsigned8

File (Configuration)

This file is referenced by the device's property Configuration_Files.
It contains the application configuration and is used in Backup/Restore procedure.

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		FILE, 10
Object_Name	R		__FL_Application
Object_Type	R		10
Description	O	writable	
File_Type	R		
File_Size	R		
Modification_Date	R		
Archive	W	writable	
Read_Only	R		
File_Access_Method	R		
Profile_Name	O		17-XLWEB2-FL_CONF_V

File

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R		
Object_Type	R		10
Description	O	writable	
File_Type	R		
File_Size	R		
Modification_Date	R		
Archive	W	writable	
Read_Only	R		TRUE
File_Access_Method	R		
Profile_Name	O		17-XLWEB2-FL

Multistate Input

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R		
Object_Type	R		13
Present_Value	R		
Description	O	writable	
Status_Flags	R		
Event_State	R		
Reliability	O		
Out_Of_Service	R	writable	
Number_Of_States	R		
State_Text	O		
Time_Delay	O	writable	
Notification_Class	O	writable	
Alarm_Values	O	writable	
Fault_Values	O	writable	
Event_Enable	O	writable	
Acked_Transitions	O		
Notify_Type	O	writable	
Event_Time_Stamps	O		
Profile_Name	O		17-XLWEB2-MI
Read_Access_Level	P		P512 Unsigned8
Write_Access_Level	P		P513 Unsigned8
Color_Map	P		P522 Unsigned8
Safety_Value	P	writable	P760 Unsigned or NULL (NULL means remain)
Terminal_PV	P		P765 CharacterString only for built-in inputs

Multistate Output

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R		
Object_Type	R		14
Present_Value	W	writable	
Description	O	writable	
Status_Flags	R		
Event_State	R		
Reliability	O		
Out_Of_Service	R	writable	
Number_Of_States	R		
State_Text	O		
Priority_Array	R		
Relinquish_Default	R	writable	
Time Delay	O	writable	
Notification Class	O	writable	
Feedback Value	O	readable	
Profile_Name	O		17-XLWEB2-MO
Read_Access_Level	P		P512 Unsigned8
Write_Access_Level	P		P513 Unsigned8
EOH_EOV_Optimization_Flag	P		P515 BOOLEAN
Color_Map	P		P522 Unsigned8
Currently_Active_Priority	P		P732 Unsigned(1..17)
Safety_Position	P	writable	P759 Unsigned or NULL NULL means remain
Terminal_PV	P		P765 CharacterString only for built-in outputs

Multistate Value

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R		
Object_Type	R		19
Present_Value	R	writable	
Description	O	writable	
Status_Flags	R		
Event_State	R		
Reliability	O		
Out_OF_Service	R	writable	
Number_Of_States	R		
State_Text	O		
Priority_Array	O		
Relinquish_Default	O	writable	
Time_Delay	O	writable	
Notification_Class	O	writable	
Alarm_Values	O	writable	
Fault_Values	O	writable	
Event_Enable	O	writable	
Acked_Transitions	O		
Notify_Type	O	writable	
Event_Time_Stamps	O		
Profile_Name	O		17-XLWEB2-MV
Read_Access_Level	P		P512 Unsigned8
Write_Access_Level	P		P513 Unsigned8
EOH_EOV_Optimization_Flag	P		P515 BOOLEAN
Color_Map	P		P522 Unsigned8
Currently_Active_Priority	P		P732 Unsigned(1..17)
DP_Is_Setpoint	P		P624 BOOLEAN

Notification Class

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R		
Object_Type	R		15
Description	O	writable	
Notification_Class	R		
Priority	R	writable	
Ack_Required	R	writable	
Recipient_List	R	writable	
Profile_Name	O		17-XLWEB2-NC

Program

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R		
Object_Type	R		16
Program_State	R		
Program_Change	W	writable	
Reason_For_Halt	O		
Description_Of_Halt	O		
Program_Location	O		
Description	O	writable	
Instance_Of	O		
Status_Flags	R		
Out_Of_Service	R	writable	FALSE
Profile_Name	O		17-XLWEB2-PROG
Time_Of_Last_Start	P		P527 BACnetDateTime
Time_Of_Last_Stop	P		P528 BACnetDateTime

Pulse Converter

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R		
Object_Type	R		24
Description	O	writable	
Present_Value	R		
Input_Reference	O		Present if combination of Pulse Converter and Accumulator
Status_Flags	R		
Event_State	R		
Reliability	O		
Out_Of_Service	R	writable	
Units	R		
Scale_Factor	R		
Adjust_Value	W	writable	
Count	R		
Update_Time	R		
Count_Change_Time	R		
Count_Before_Change	R		
COV_Increment	O	writable	
COV_Period	O	writable	
Notification_Class	O	writable	
Time_Delay	O	writable	
High_Limit	O	writable	
Low_Limit	O	writable	
Deadband	O	writable	
Limit_Enable	O	writable	
Event_Enable	O	writable	
Acked_Transitions	O		
Notify_Type	O	writable	
Event_Time_Stamps	O		
Profile_Name	O		17-XLWEB2-PLC
Terminal_PV	P		P765 CharacterString only for built-in inputs

Schedule

Creatable, Deletable

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R	writable	
Object_Type	R		17
Present_Value	R		
Description	O	writable	
Effective_Period	R	writable	
Weekly_Schedule	O	writable	
Exception_Schedule	O	writable	
Schedule_Default	R	writable	
List_Of_Object_Property_References	R		
Priority_For_Writing	R	writable	
Status_Flags	R	writable	
Reliability	R		
Out_OF_Service	R	writable	
Profile_Name	O		17-XLWEB2-SCH
Read_Access_Level	P		P512 Unsigned8
Write_Access_Level	P		P513 Unsigned8

Trend Log

Creatable, Deletable

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R	writable	
Object_Type	R		20
Description	O	writable	
Enable	W	writable	
Start_Time	O	writable	
Stop_Time	O	writable	
Log_DeviceObjectProperty	O		
Log_Interval	O	writable	
COV_Resubscription_Interval	O		
Client_COV_Increment	O	writable	
Stop_When_Full	R	writable	
Buffer_Size	R	writable	Must be > 10 and < 10000
Log_Buffer	R		
Record_Count	W	writable	
Total_Record_Count	R		
Notification_Threshold	O	writable	
Records_Since_Notification	O		
Last_Notify_Record	O		
Event_State	R		
Notification_Class	O	writable	
Event_Enable	O	writable	
Acked_Transitions	O		
Notify_Type	O	writable	
Event_Time_Stamps	O		
Profile_Name	O		17-XLWEB2-TL
Logging_Type	R		POLLED or COV
Status_Flags	R		
Read_Access_Level	P		P512 Unsigned8
Write_Access_Level	P		P513 Unsigned8

Proprietary Objects Supported:

Object Type
BACnet Statistics
BACnet/MSTP Statistics
LON Statistics
Input Reference
Output Reference
FlagPoint
ControlLoop
User Access Rights
User

BACnet Statistics

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R		__BACnetStatistics
Object_Type	R		134
Profile_Name			17-XLWEB2-BACSTAT
BACnet_Statistics		write any value to reset statistics	P663, Array of Unsigned Error Codes
Diagnostic			P677 CharacterString Some measures as text
Seconds_Since_Reset			P745 Unsigned Seconds since last reset of statistics

Example for the property "Diagnostic":
host: 192.168.200.32,
mask: 255.255.255.0,
gateway: 192.168.200.1
started: 2011-11-22 08:12:48
protocol: BACnet/IP
BBMD: no
LEN(s): 0 (1970-01-01 00:00:00)
SEN(s): 0
LCCN(s): 0 (1970-01-01 00:00:00)
SCCN(s): 0
SUCN(s): 0
RCCN(s): 0
RUCN(s): 22
COV subs: 0
init COV/min: 0
exec COV/min: 0

LEN = Lost Event Notifications
SEN = Sent Event Notifications
LCCN = Lost Confirmed COV Notifications
SCCN = Sent Confirmed COV Notifications
SUCN = Sent Unconfirmed COV Notifications
RCCN = Received Confirmed COV Notifications
RUCN = Received Unconfirmed COV Notifications
COV subs = COV subscriptions
init COV/min = initiated COV notifications per minute
exec COV/min = executed COV notifications per minute

BACnet/MSTP Statistics

Writing to any of the proprietary properties resets the statistics.

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R		__BACnetMSTP#Statistics
Object_Type	R		
Profile_Name			17-XLWEB2-MSTPSTAT
Header_CRC_Errors			P746 Unsigned
Data_CRC_Errors			P747 Unsigned
Delayed_Responses			P748 Unsigned
No_Response			P749 Unsigned
Avrg_Token_Rotation_Time			P750 Unsigned In msec
Traffic_Load			P751 Unsigned
Next_Station			P752 Unsigned(0..127) The MAC address of the next station to pass the token on
Sent_Bytes			P753 Unsigned
Received_Bytes			P754 Unsigned
Sent_Frames			P755 Unsigned
Received_Frames			P756 Unsigned
Sent_Tokens			P757 Unsigned
Lost_Tokens			P758 Unsigned

LON Statistics

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R		__LONStatistics
Object_Type	R		133
Profile_Name			17-XLWEB2-LONSTAT
LON_Statistics			P662
Seconds_Since_Reset			P745 Unsigned Seconds since last reset of statistics

Input Reference

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R		
Object_Type	R		136
Out_Of_Service			81 Boolean
Present_Value			85 Any May be Boolean Unsigned Real
Reliability			103 Possible unreliable conditions are: UNRELIABLE_OTHER
Status_Flags			111
Units			117
Profile_Name			17-XLWEB2-RI
Read_Access_Level			P512 Unsigned8
Write_Access_Level			P513 Unsigned8
Startup_Value			P521 Any
Update_Interval		writable	P525 Real

Output References

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R		
Object_Type	R		135
Out_Of_Service		writable	81 Boolean
Present_Value			85 Any May be Boolean Unsigned Real Null (relinquish)
Priority_For_Writing			
Reliability			103 Possible unreliable conditions are: UNRELIABLE_OTHER
Status_Flags			111
Profile_Name			17-XLWEB2-RO
Read_Access_Level			P512 Unsigned8
Write_Access_Level			P513 Unsigned8
Startup_Value			P521 Any
Update_Interval		writable	P525 Real
Send_On_Delta		writable	P526 Real

Flag Point

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R		Flag_...
Object_Type	R		137
Profile_Name			17-XL_WEB_FP
Present_Value			Property 85, any type

Control Loop

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R		
Object_Type	R		130
Present_Value			P85 REAL
Profile_Name			17-XL_WEB_CL
Read_Access_Level			P512 Unsigned8
Write_Access_Level			P513 Unsigned8
Last_Execution_Time			P532 Unsigned
Update_interval_Adaption_Enable			P533 BOOLEAN
CL_Priority_For_Writing			P534 Signed

User

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R		= Login Name
Object_Type	R		132
Access_Level			P712 Unsigned8
Language			P713 Unsigned32 Locale ID
Decimal_Digits			P714 Unsigned8
Encrypted_Password			P715 CharacterString
Full_Name			P716 CharacterString
Profile_Name			17-XLWEB2-USR

User Access Rights

Property name	R=Required O=Optional P=Proprietary	Writable	Property ID, Range, Data Type; other remarks
Object_Identifier	R		
Object_Name	R		__AccessRights
Object_Type	R		131
Level_For_Chg_Del_Calendars			P692 Unsigned8
Level_For_Chg_Del_Schedules			P693 Unsigned8
Level_For_Chg_Del_Trendlogs			P694 Unsigned8
Level_For_View_Diagnostics			P695 Unsigned8
Level_For_Vie_Comm_Settings			P696 Unsigned8
Level_For_Chg_Comm_Settings			P697 Unsigned8
Level_For_Star/Stop_Control Program			P698 Unsigned8
Level_For_Download			P699 Unsigned8
Level_For_View_Cntrl_Loop_Speed			P700 Unsigned8
Level_For_Chg_Cntrl_Loop_Speed			P701 Unsigned8
Level_For_Chg_Clock_Settings			P702 Unsigned8
Level_For_Chg_Del_Fast_Access_List			P703 Unsigned8
Level_For_Chg_Del_Users			P704 Unsigned8
Currently unused			P705 Unsigned8
Level_For_Chg_Email_Addr			P706 Unsigned8
Profile_Name			17-XLWEB2-UAR

Segmentation Capability:

☑ Segmented requests supported   Window Size 16
☑ Segmented responses supported   Window Size 16

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, RS-485 ARCNET (Clause 8), baud rate(s) _____
☑ MS/TP master (Clause 9), baud rate(s): 9600, 38400, 57600, 76800, 115200
☐ 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: _____
☐ 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

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

The human interface device, supports the following subsets of characters and languages:

MIBenum	Character Set	Languages covered
3	ANSI X3.4 ISO 8859-1 ISO 10646	English
4	ISO 8859-1 ISO 10646	Afrikaans, Albanian, Basque, Breton, Catalan, Danish, (Dutch), English, Faroese, (French), Galician, German, Icelandic, Irish, Italian, Kurdish, Luxembourgish, Norwegian (Bokmål and Nynorsk), Occitan, Portuguese, Rhaeto-Romanic, Scottish Gaelic, Spanish, Swahili, Swedish, Walloon
2012	ISO 10646	Danish
26	ISO 10646	French
62	ISO 10646	Hungarian
2010	ISO 10646	Croatian, Czech, Hungarian, Polish, Romanian, Slovak, and Slovenian
2047	ISO 10646	Turkish
10	ISO 10646	Greek
2046	ISO 10646	Russian, Bulgarian, Macedonian, Serbian, Ukrainian

Honeywell