

PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT  
 PICS0009 rev 20

# FBXi, FBVi, FBTi

Date	July 2023
Vendor Name	Cylon Controls
Product Name:	FBXi, FBVi, FBTi
Product Model Number:	FBXi-X256, FBXi-X48, FBXi-8R8-X96, FBXi-8R8-H-X96, FBXi-8R8-X96-S, FBVi-2U4-4T-IMP, FBVi-2U4-4T-SI, FBVi-2U4-4T-FA-IMP, FBVi-2U4-4T-FA-SI, FBTi-6T1-1U1R, FBTi-7T7-1U1R
Firmware Revision:	8.2.1-e or later
BACnet Protocol Revision:	14

## Product Description

The FBXi, FBVi, FBTi BACnet Field controller is part of the Cylon BACnet system. The Controller can operate stand-alone or can be networked to perform complex Plant HVAC control, monitoring and energy management functions via BACnet IP and BACnet MS/TP.

## BACnet Standardised Device Profile (Annex L)

- BACnet Operator Workstation (**B-AWS**)
- 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 Other (**B-OTHER**)



## BACnet Interoperability Building Blocks Supported (Annex K)

ID	BIBB	Application Service
K.1.1	DS-RP-A	Data Sharing – ReadProperty-A
K.1.2	DS-RP-B	Data Sharing – ReadProperty-B
K.1.3	DS-RPM-A	Data Sharing – ReadPropertyMultiple-A
K.1.4	DS-RPM-B	Data Sharing – ReadPropertyMultiple-B
K.1.7	DS-WP-A	Data Sharing – WriteProperty-A
K.1.8	DS-WP-B	Data Sharing – WriteProperty-B
K.1.10	DS-WPM-B	Data Sharing – WritePropertyMultiple-B
K.1.12	DS-COV-B	Data Sharing – COV-B
K.2.2	AE-N-I-B	Alarm & Event – Notification Internal-B
K.2.5	AE-ACK-B	Alarm & Event – Ack-B
K.2.7	AE-ASUM-B	Alarm & Event – Alarm Summary-B
K.2.11	AE-INFO-B	Alarm & Event – Information-B
K.3.2	SCHEM-I-B	Scheduling – Internal-B
K.3.3	SCHEM-E-B	Scheduling – External-B
K.4.2	T-VMT-I-B	Trending – Viewing and Modifying Trends Internal-B
K.4.5	T-ATR-B	Trending – Automated Trend Retrieval-B
K.5.1	DM-DDB-A	Device Management – Dynamic Device Binding-A
K.5.2	DM-DDB-B	Device Management – Dynamic Device Binding-B
K.5.4	DM-DOB-B	Device Management – Dynamic Object Binding-B
K.5.6	DM-DCC-B	Device Management – Device Communication Control-B
K.5.11	DM-TS-A	Device Management – Time Synchronization-A
K.5.12	DM-TS-B	Device Management – TimeSynchronization-B
K.5.13	DM-UTC-A	Device Management – UTC Time Synchronization-A
K.5.14	DM-UTC-B	Device Management – UTCTimeSynchronization-B
K.5.16	DM-RD-B	Device Management – ReinitializeDevice-B
K.5.18	DM-BR-B	Device Management-Backup and Restore-B
	DM-ATS-A	Device Management – Automatic Time Synchronization-A
K.5.30	NM-RC-B	Network Management – Router Configuration-B

## Segmentation Capability

Able to transmit segmented messages

Window Size: 16

Able to receive segmented messages

Window Size: 16

## Standard Services Supported

Service	Property
Object access	Write property
Object access	Read property
Object access	Read property multiple
Object access	Write property multiple
Object access	Read range <b>Note:</b> Used for reading TL and COV subscriptions
Remote management	Who-is
Remote management	I-am
Remote management	Who-has
Remote management	I-have
Remote management	Unconfirmed private transfer <b>Note:</b> used by CXpro <sup>HD</sup>
Remote management	Time synchronization
Remote management	UTC time synchronization
Remote management	Device communication control
Remote management	Reinitialize device
File access	Atomic write file
File access	Atomic read file
Alarm/Event	Acknowledge alarm
Alarm/Event	Get alarm summary
Alarm/Event	Get event information
Alarm/Event	Confirmed event notification
Alarm/Event	Unconfirmed event notification
Alarm/Event	Subscribe COV
Alarm/Event	Confirmed COV notification
Alarm/Event	Unconfirmed COV notification

## Standard Object Types Supported

- analog-input
- analog-output
- analog-value
- binary-input
- binary-output
- binary-value
- calendar
- device
- file
- notification-class
- schedule
- trend-log

### For all of these objects the following apply:

1. The CreateObject and DeleteObject services are not supported, so no objects are dynamically creatable or deletable through BACnet service requests, although these objects are dynamically creatable and deletable through Cylon's CXpro<sup>HD</sup> Software.
2. Client functionality is used by the controller for reading and writing point objects present values between this controller and other BACnet controllers on the network. These transfers are set-up at engineering time using CXpro<sup>HD</sup>.
3. No general range restrictions exist.
4. Not all instances support optional properties (see tables below).

**For each of these objects, the supported properties are listed below:**

**analog-input**

Dynamically Creatable

Dynamically Deletable

Property	Read	Write	optional
object-identifier	<input checked="" type="checkbox"/>		
object-name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
object-type	<input checked="" type="checkbox"/>		
present-value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
property-list	<input checked="" type="checkbox"/>		
status-flags	<input checked="" type="checkbox"/>		
event-state	<input checked="" type="checkbox"/>		
reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
out-of-service	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
units	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
min-pres-value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
max-pres-value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
cov-increment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
time-delay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
notification-class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
high-limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
low-limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
deadband	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
limit-enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
event-enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
acked-transitions	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
notify-type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
event-time-stamps	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
event-detection-enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
profile-name	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

**analog-output**

Dynamically Creatable

Dynamically Deletable

Property	Read	Write	optional
object-identifier	<input checked="" type="checkbox"/>		
object-name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
object-type	<input checked="" type="checkbox"/>		
present-value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
property-list	<input checked="" type="checkbox"/>		
status-flags	<input checked="" type="checkbox"/>		
event-state	<input checked="" type="checkbox"/>		
reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
out-of-service	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
units	<input checked="" type="checkbox"/>		
min-pres-value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
max-pres-value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Resolution	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
priority-array	<input checked="" type="checkbox"/>		
relinquish-default	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
cov-increment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
time-delay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
notification-class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
high-limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
low-limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
deadband	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
limit-enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
event-enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
acked-transitions	<input checked="" type="checkbox"/>		
notify-type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
event-time-stamps	<input checked="" type="checkbox"/>		
event-detection-enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
profile-name	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

**analog-value**

Dynamically Creatable

Dynamically Deletable

Property	Read	Write	optional
object-identifier	<input checked="" type="checkbox"/>		
object-name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
object-type	<input checked="" type="checkbox"/>		
present-value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
property-list	<input checked="" type="checkbox"/>		

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Property	Read	Write	optional
status-flags	<input checked="" type="checkbox"/>		
event-state	<input checked="" type="checkbox"/>		
Reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
out-of-service	<input checked="" type="checkbox"/>		
units	<input checked="" type="checkbox"/>		
priority-array	<input checked="" type="checkbox"/>		
relinquish-default	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
cov-increment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
time-delay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
notification-class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
high-limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
low-limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
deadband	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
limit-enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
event-enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
acked-transitions	<input checked="" type="checkbox"/>		
notify-type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
event-time-stamps	<input checked="" type="checkbox"/>		
event-detection-enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
profile-name	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

**binary-input**

Dynamically Creatable

Dynamically Deletable

Property	Read	Write	optional
object-identifier	<input checked="" type="checkbox"/>		
object-name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
object-type	<input checked="" type="checkbox"/>		
present-value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
property-list	<input checked="" type="checkbox"/>		
status-flags	<input checked="" type="checkbox"/>		
event-state	<input checked="" type="checkbox"/>		
reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
out-of-service	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
inactive-text	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
active-text	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Time of state count reset	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Change of state time	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Change of state count	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
time-delay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
notification-class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
alarm-value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
event-enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
acked-transitions	<input checked="" type="checkbox"/>		
notify-type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
event-time-stamps	<input checked="" type="checkbox"/>		
event-detection-enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
profile-name	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>



**binary-output**

Dynamically Creatable

Dynamically Deletable

Property	Read	Write	optional
object-identifier	<input checked="" type="checkbox"/>		
object-name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
object-type	<input checked="" type="checkbox"/>		
present-value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
property-list	<input checked="" type="checkbox"/>		
status-flags	<input checked="" type="checkbox"/>		
event-state	<input checked="" type="checkbox"/>		
reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
out-of-service	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
inactive-text	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
active-text	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Time of state count reset	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Change of state count	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Change of state time	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
minimum-off-time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
minimum-on-time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
priority-array	<input checked="" type="checkbox"/>		
relinquish-default	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
time-delay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
notification-class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
feedback-value	<input checked="" type="checkbox"/>		
event-enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
acked-transitions	<input checked="" type="checkbox"/>		
notify-type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
event-time-stamps	<input checked="" type="checkbox"/>		
event-detection-enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
profile-name	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

**binary-value**

Dynamically Creatable

Dynamically Deletable

Property	Read	Write	optional
object-identifier	<input checked="" type="checkbox"/>		
object-name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
object-type	<input checked="" type="checkbox"/>		
present-value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
property-list	<input checked="" type="checkbox"/>		
status-flags	<input checked="" type="checkbox"/>		
event-state	<input checked="" type="checkbox"/>		
out-of-service	<input checked="" type="checkbox"/>		
inactive-text	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
active-text	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Time of state count reset	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Change of state count	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Change of state time	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Minimum off time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
minimum-on-time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
priority-array	<input checked="" type="checkbox"/>		
relinquish-default	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
time-delay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
notification-class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
alarm-value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
event-enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
acked-transitions	<input checked="" type="checkbox"/>		
notify-type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
event-time-stamps	<input checked="" type="checkbox"/>		
event-detection-enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
profile-name	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

**calendar**

Dynamically Creatable

Dynamically Deletable

Property	Read	Write	optional
object-identifier	<input checked="" type="checkbox"/>		
object-name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
object-type	<input checked="" type="checkbox"/>		
present-value	<input checked="" type="checkbox"/>		
Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
date-list	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
profile-name	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

**device**

Dynamically Creatable

Dynamically Deletable

Property	Read	Write	optional
object-identifier	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
object-name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
object-type	<input checked="" type="checkbox"/>		
property-list	<input checked="" type="checkbox"/>		
system-status	<input checked="" type="checkbox"/>		
vendor-name	<input checked="" type="checkbox"/>		
vendor-identifier	<input checked="" type="checkbox"/>		
model-name	<input checked="" type="checkbox"/>		
firmware-revision	<input checked="" type="checkbox"/>		
application-software-version	<input checked="" type="checkbox"/>		
protocol-version	<input checked="" type="checkbox"/>		
protocol-revision	<input checked="" type="checkbox"/>		
protocol-services-supported	<input checked="" type="checkbox"/>		
protocol-object-types-supported	<input checked="" type="checkbox"/>		
object-list	<input checked="" type="checkbox"/>		
max-apdu-length-accepted	<input checked="" type="checkbox"/>		
Max segments accepted	<input checked="" type="checkbox"/>		
segmentation-supported	<input checked="" type="checkbox"/>		
local-time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
local-date	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
utc-offset	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
daylight-savings-status	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Apdu segment timeout	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
apdu-timeout	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
number-of-apdu-retries	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
time-synchronization-interval	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
time-synchronization-recipients	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
utc-time-synchronization-recipients	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
align-intervals	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
interval-offset	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
location	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
device-address-binding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
database-revision	<input checked="" type="checkbox"/>		
Last restore time	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Last restart reason	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Time of device restart	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
backup-failure-timeout	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
backup-preparation-time	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

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Property	Read	Write	optional
restore-preparation-time	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
restore-completion-time	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
backup-and-restore-state	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
active-cov-subscriptions	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Restart notification recipients	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Time of device restart	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Max info frames	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Max master	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
configuration-files	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
backup-and-restore-state	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
active-cov-subscriptions	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
profile-name	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

**file**

Dynamically Creatable

Dynamically Deletable

Property	Read	Write	optional
object-identifier	<input checked="" type="checkbox"/>		
object-name	<input checked="" type="checkbox"/>		
object-type	<input checked="" type="checkbox"/>		
description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
property-list	<input checked="" type="checkbox"/>		
file-type	<input checked="" type="checkbox"/>		
file-size	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
modification-date	<input checked="" type="checkbox"/>		
archive	<input checked="" type="checkbox"/>		
read-only	<input checked="" type="checkbox"/>		
file-access-method	<input checked="" type="checkbox"/>		
profile-name	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

**notification-class**

Dynamically Creatable

Dynamically Deletable

Property	Read	Write	optional
object-identifier	<input checked="" type="checkbox"/>		
object-name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
object-type	<input checked="" type="checkbox"/>		
description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
property-list	<input checked="" type="checkbox"/>		
notification-class	<input checked="" type="checkbox"/>		
priority	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
ack-required	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
recipient-list	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
profile-name	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

**Schedule**

Dynamically Creatable

Dynamically Deletable

Property	Read	Write	optional
object-identifier	<input checked="" type="checkbox"/>		
object-name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
object-type	<input checked="" type="checkbox"/>		
description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
present-value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
property-list	<input checked="" type="checkbox"/>		
effective-period	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
weekly-schedule	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
exception-schedule	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
schedule-default	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
list-of-object-property-references	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
priority-for-writing	<input checked="" type="checkbox"/>		
status-flags	<input checked="" type="checkbox"/>		
reliability	<input checked="" type="checkbox"/>		
out-of-service	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
profile-name	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

**trend-log**

Dynamically Creatable

Dynamically Deletable

Property	Read	Write	optional
object-identifier	<input checked="" type="checkbox"/>		
object-name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
object-type	<input checked="" type="checkbox"/>		
description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
log-enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
start-time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
stop-time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
log-device-object-property	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
log-interval	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
stop-when-full	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
buffer-size	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
log-buffer	<input checked="" type="checkbox"/>		
record-count	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
total-record-count	<input checked="" type="checkbox"/>		
event-state	<input checked="" type="checkbox"/>		
logging-type	<input checked="" type="checkbox"/>		
trigger	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
status-flags	<input checked="" type="checkbox"/>		
event-state	<input checked="" type="checkbox"/>		
event-enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
notification-class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
acked-transitions	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
notify-type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
cov-increment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cov resubscription interval	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Interval offset	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Align intervals	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
event-time-stamps	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
event-detection-enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
notification-threshold	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
last-notify-record	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
records-since-notification	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
profile-name	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

## 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) : N/A
- MS/TP master (Clause 9), baud rate(s): 9600, 19200, 38400, 57600, 76800, 115200**
- MS/TP slave (Clause 9), baud rate(s): N/A
- Point-To-Point, EIA 232 (Clause 10), baud rate(s): N/A
- Point-To-Point, modem, (Clause 10), baud rate(s): N/A
- LonTalk, (Clause 11), medium: N/A
- Other: N/A

## Device Address Binding:

Is static device binding supported?  Yes  No

(This is currently necessary for two-way communication with MS/TP slaves and certain other devices.)

## Networking Options:

- Router, Clause 6 - IP, MS/TP, Ethernet**
- 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.

- |  |   |                                     |
|--|---|-------------------------------------|
| <input checked="" type="checkbox"/> <b>ISO 10646 (UTF-8)</b> | <input type="checkbox"/> IBM™/Microsoft™ DBCS | <input type="checkbox"/> ISO 8859-1 |
| <input type="checkbox"/> ISO 10646 (UCS-2)                   | <input type="checkbox"/> ISO 10646 (UCS-4)    | <input type="checkbox"/> JIS X 0208 |

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

N/A