

BACnet Protocol Implementation Conformance Statement

Sept 2, 2004

Products

Product	Model Number	Protocol Revision	Software Version	Firmware Version
ISN ConneXsys OWS Web	CX-OWS-WEB	135-2001 (3)	3.31	

Vendor Information

YORK International Corp.
 PO Box 1592
 York PA, 17405
www.york.com

Product Description

The ISN ConneXsys Web Server provides the user with realistic, state of the art system graphics which allows them to have access to YORK's BACnet control system through a web browser. A separate PC connected to the local control system network operates the ISN ConneXsys Web Server, exposing data across the web. Different levels of access can be provided and customized for different users. The ISN ConneXsys Web uses either Internet Explorer® or Netscape® to allow tenants, building managers, and service personnel access

BACnet Standardized Device Profile

Product	Device Profile	Additional BIBBs	Tested
CX-OWS-WEB	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)		

Supported BIBBs

Application Service

Data Sharing – Read Property – A
 Data Sharing – Read Property – B
 Data Sharing – Read Property Multiple – A
 Data Sharing – Read Property Multiple – B
 Data Sharing – Write Property – A
 Data Sharing – Write Property – B
 Data Sharing – Write Property Multiple – A
 Data Sharing – Write Property Multiple – B
 Data Sharing – COV-A
 Data Sharing – COV-B

Designation

DS-RP-A
 DS-RP-B
 DS-RPM-A
 DS-RPM-B
 DS-WP-A
 DS-WP-B
 DS-WPM-A
 DS-WPM-B
 DS-COV-A
 DS-COV-B

Data Sharing – COV – Unsubscribed – A	DS-COVU-A
Data Sharing – COV – Unsubscribed – B	DS-COVU-B
Alarm and Event – Notification – A	AE-N-A
Alarm and Event – Notification-Internal – B	AE-N-I-B
Alarm and Event – Notification-External – B	AE-N-E-B
Alarm and Event – ACK – A	AE-ACK-A
Alarm and Event – ACK – B	AE-ACK-B
Alarm and Event – Alarm Summary – A	AE-ASUM-A
Alarm and Event – Alarm Summary – B	AE-ASUM-B
Alarm and Event – Enrollment Summary – A	AE-ESUM-A
Alarm and Event – Enrollment Summary – B	AE-ESUM-B
Alarm and Event – Information – A	AE-INFO-A
Alarm and Event – Information – B	AE-INFO-B
Scheduling – A	SCHED-A
Scheduling-Internal – B	SCHED-I-B
Scheduling-External – B	SCHED-E-B
Trending – Viewing and Modifying Trends – A	T-VMT-A
Trending – Viewing and Modifying Trends-Internal – B	T-VMT-I-B
Trending – Viewing and Modifying Trends-External – B	T-VMT-E-B
Trending – Automated Trend Retrieval – A	T-ATR-A
Trending – Automated Trend Retrieval – B	T-ATR-B
Device Management – Dynamic Device Binding – A	DM-DDB-A
Device Management – Dynamic Device Binding – B	DM-DDB-B
Device Management – Dynamic Object Binding – A	DM-DOB-A
Device Management – Dynamic Object Binding – B	DM-DOB-B
Device Management – Device Communication Control - A	DM-DCC-A
Device Management – Device Communication Control - B	DM-DCC-B
Device Management – Private Transfer – A	DM-PT-A
Device Management – Private Transfer – B	DM-PT-B
Device Management – Text Message – B	DM-TM-B
Device Management – Time Synchronization – A	DM-TS-A
Device Management – UTC Time Synchronization – A	DM-UTC-A
Device Management – Reinitialize Device – A	DM-RD-A
Device Management – Backup and Restore – A	DM-BR-A
Device Management – List Manipulation – A	DM-LM-A
Device Management – List Manipulation – B	DM-LM-B
Device Management – Object Creation and Deletion – A	DM-OCD-A
Device Management – Object Creation and Deletion – B	DM-OCD-B
Network Management – Connection Establishment – A	NM-CE-A
Network Management – Connection Establishment – B	NM-CE-B

Segmentation Capability

Segmentation Type	Supported	Window Size	Tested
Able to send segmented messages	Yes	Configurable	
Able to receive segmented messages	Yes	Configurable	

Standard Object Types Supported

Object Type	Optional Properties Supported	Writable Properties
Analog Input	Description Device Type Reliability Min Present Value Max Present Value Update Interval Resolution COV Increment	Object Name Description COV Increment Out of Service
Analog Output	Description Device Type Reliability Min Present Value Max Present Value Resolution COV Increment	Object Name Description Present Value COV Increment Relenquish Default Out of Service
Analog Value	Description Reliability COV Increment	Object Name Description Present Value COV Increment Out of Service
Binary Input	Description Device Type Reliability Active Text Inactive Text COS Time COS Count COS Time Reset	Object Name Description Polarity COV Increment Out of Service
Binary Output	Description Device Type Reliability Active Text Inactive Text COS Time COS Count COS Time Reset Min On Time Min Off Time	Object Name Description Present Value Polarity Relenquish Default Min On Time Min Off Time Out of Service
Binary Value	Description Reliability Active Text Inactive Text	Object Name Description Present Value
Calendar	Description	Object Name Description Date List

Device	Description	Object Name
	Location	Description
	APDU Segment Timeout	Date List
	Time Synch Recips	
	Max Masters	
	Max Info Frames	
	Local Time	
	Local Date	
	UTC Offset	
	DST Status	
Event Enrollment	Description	Object Name
	Notification Class	Description
		Event Type
		Notify Type
		Event Parameters
		Object Property Reference
		Event Enable
		Notification Class
File	Description	Object Name
		Description
		File Type
		File Access
		File Size
Loop	Description	Object Name
	Reliability	Description
	Update Interval	Action
	Proportional Constant	Manipulated Var Ref
	Proportional Units	Controlled Var Ref
	Integral Constant	Controlled Var Value
	Integral Units	Controlled Var Units
	Derivative Constant	Setpoint
	Derivative Units	Setpoint Ref
	Bias	Proportional Constant
	Max Output	Integral Constant
	Min Output	Derivative Constant
	COV Increment	Bias
		Priority for Writing
		COV Increment
Multistate Value	Description	Object Name
	Reliability	Description
	State Text	Present Value
		Out of Service
Notification Class	Description	Object Name
		Description
		Priority
		Ack Required
		Recipient List
Program	Description	Object Name
	Reliability	Description
		Present Value

Schedule	Description Schedule Exceptions	Object Name Description Present Value Effective Period Schedule Exceptions Controlled Properties Write Priority
Trend Log	Description Start Time Stop Time Log Device Object Prop Log Interval	Object Name Description Log Enable Start Time Stop Time Log Device Object Prop Log Interval Stop when Full Buffer Size Record Count

Data Link Layer Options

Product	Data Link	Options	Tested
CX-OWS-WEB	BACnet/IP (Annex J)	Can act as a Direct BACnet/IP device. Yes Can act as a Foreign BACnet/IP device. Yes	
CX-OWS-WEB	Ethernet (ISO 8802-3) (Clause 7)	(10Base-2, 10Base-5, 10Base-T, Fiber)	
	ARCNET 2.5 Mb. (ANSI/ATA 878.1)		
	ANSI/ATA 878.1, RS-485 ARCNET		
CX-OWS-WEB	MS/TP Master (Clause 9)	baud rate(s): 9600, 19200, 38400	
	MS/TP Slave		
CX-OWS-WEB	Point-To-Point (EIA 232)	baud rate(s): 9600, 19200, 38400	
CX-OWS-WEB	Point-To-Point, modem	baud rate(s): 9600, 19200, 38400	
	LonTalk		
	Other		

Device Address Binding

Product	Static Binding Supported	Tested
CX-OWS-WEB	This product supports Static device binding.	

Networking Options

Product	Router Option	Options	Tested
	Router	List possible media. This line should be repeated for each hardware	

Product	Router Option	Options	Tested
		configuration supported	
	BACnet Tunnelling Router (Annex H)	IP, IPX	
CX-OWS-WEB	BBMD (Annex J)	Supports foreign device connections? Yes	

Character Sets

Product	Character Sets supported	Tested
CX-OWS-WEB	ANSI X3.4	
	ISO 10646 (UCS-2)	
	IBM™/Microsoft™ DBCS	
	ISO 10646 (UCS-4)	
	ISO 8859-1	
	JIS C 6226	