

BACnet Protocol Implementation Conformance Statement (PICS)

Date: February 1, 2022

Vendor Name: Neopsis GmbH

Product Name: C-Bus BACnet Gateway

Product Model Number: CB-200

Application Software Version: 2.0.40.14 **Firmware Revision:** 2.1.5 **BACnet Revision:** 19

Product Description: The gateway converts between BACnet/IP and Honeywell C-Bus allowing third party control and monitoring of the Honeywell XL5000 systems. It has a built-in web server that does not require any additional software.

BACNET STANDARDIZED DEVICE PROFILE (ANNEX L):

- BACnet Operator Workstation (B-OWS)
- BACnet Advanced Operator Workstation (B-AWS)
- BACnet Operator Display (B-OD)
- BACnet Building Controller (B-BC)
- BACnet Advanced Application Controller (B-AAC)
- BACnet Application Specific Controller (B-ASC)
- BACnet Smart Sensor (B-SS)
- BACnet Smart Actuator (B-SA)

BACNET INTEROPERABILITY BUILDING BLOCKS SUPPORTED (BIBBS)

Data Sharing BIBBs

Bibb Type		Supported	BACnet Service	Initiate	Execute
DS-RP-B	Data Sharing-Read Property-B	■	Read Property		X
DS-RPM-B	Data Sharing-Read Property Multiple-B	■	Read Property Multiple		X
DS-WP-B	Data Sharing-WriteProperty-B	■	WriteProperty		X
DS-COV-B	Data Sharing-COV-B	■	SubscribeCOV		X
			UnconfirmedCOVNotification	X	

Alarm & Event Management BIBBS

Bibb Type		Supported	BACnet Service	Initiate	Execute
AE-N-I-B	Alarm and Event-Notification Internal-B	■	Unconfirmed EventNotification	X	

Device Management BIBBs

Bibb Type		Supported	BACnet Service	Initiate	Execute
DM-DDB-B	Device Management - Dynamic Device Binding-B	■	Who-Is		X
			I-Am	X	
DM-DOB-B	Device Management - Dynamic Object Binding-B	■	Who-Has		X
			I-Have	X	
DM-UTC-B	Device Management - UTCTimeSynchronization-B	■	UTCTimeSynchronization		X

Segmentation Capability:

- Segmented requests supported
- Segmented responses supported

Standard Object Types Supported:

Object Type	Supported	Readable/Writable
Analog Value	object-name	W
	description	W
	object-type	R
	present-value	W
	description	W
	status-flags	R
	event-state	R
	out-of-service	R
	units	W
	priority-array	R
	relinquish-default	R
	cov-increment	W
	high-limit	W
	low-limit	W
	limit-enable	W
	point-mode (proprietary)	W
	cov-increment	W
	alarm-hysteresis (proprietary)	W
	critical-alarm (proprietary)	W
	high-alarm-limit (proprietary)	W
	low-alarm-limit (proprietary)	W
time-delay	W	
sensor-offset	W	

Binary Value	object-name	W
	description	W
	object-type	R
	present-value	W
	description	W
	status-flags	R
	event-state	R
	out-of-service	R
	active-text	W
	inactive-text	W
	priority-array	R
	relinquish-default	R
	point-mode (proprietary)	W
	limit-enable	W
	critical-alarm (proprietary)	W
time-delay	W	
Multistate Value	object-name	W
	description	W
	object-type	R
	present-value	W
	description	W
	status-flags	R
	event-state	R
	out-of-service	R
	number-of-states	R
	state-text	R
	priority-array	R
	relinquish-default	R
	critical-alarm (proprietary)	W
	point-mode (proprietary)	W
	limit-enable	W
Device	object-name	W
	object-type	R
	system-status	R
	vendor-name	R
	vendor-identifier	R
	model-name	R
	firmware-revision	R
	application-software-version	R
	description	W
	protocol-version	R

Device	protocol-revision	R
	protocol-services-supported	R
	protocol-object-types-supported	R
	object-list	R
	max-apdu-length-accepted	R
	local-time	R
	local-date	R
	apdu-timeout	R
	number-of-apdu-retries	R
	daylight-savings-status	R
	database-revision	R
	utc-offset	R
	time-of-device-restart	R

Data Link Layer Options:

- BACnet IP, (Annex J)
- BACnet IP, (Annex J), Foreign Device
- ISO 8802-3, Ethernet (Clause 7)
- ATA 878.1, 2.5 Mb. ARCNET (Clause 8)
- ATA 878.1, EIA-485 ARCNET (Clause 8), baud rate(s) _____
- MS/TP master (Clause 9), baud rate(s):
- 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: _____

Device Address Binding:

Is static device binding supported?

- 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 (USC-2)
- ISO 10646 (UCS-4)
- JIS C 6226

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

The gateway converts between BACnet IP protocol and Honeywell C-Bus allowing third party control and monitoring of the Honeywell XL5000 system.