

ANNEX A - PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT (NORMATIVE)

(This annex is part of this standard and is required for its use.)

BACnet Protocol Implementation Conformance Statement

Date: 23.02.2026

Vendor Name: Kampmann GmbH

Product Name: KaControl MC

Product Model Number: Version A

Application Software Version: 2.0.0 **Firmware Revision:** 2.0.0 **BACnet Protocol Revision:** 24

Product Description:

KaControl MC manage HVAC units and fan coil units. KaControl MC supports BACnet/IP

BACnet Standardized Device Profiles Supported (Annex L):

- BACnet Cross-Domain Advanced Operator Workstation (B-XAWS)
- BACnet Advanced Operator Workstation (B-AWS)
- BACnet Operator Workstation (B-OWS)
- BACnet Operator Display (B-OD)
- BACnet Advanced Lighting Workstations (B-ALWS)
- BACnet Lighting Operator Display (B-LOD)
- BACnet Advanced Life Safety Workstation (B-ALSWS)
- BACnet Life Safety Workstation (B-LSWS)
- BACnet Life Safety Annunciator Panel (B-LSAP)
- BACnet Advanced Access Control Workstation (B-AACWS)
- BACnet Access Control Workstation (B-ACWS)
- BACnet Access Control Security Display (B-ACSD)
- BACnet Advanced Elevator Workstation (B-AEWS)
- BACnet Elevator Workstation (B-EWS)
- BACnet Elevator Display (B-ED)
- BACnet Advanced Lighting Control Station (B-ALCS)
- BACnet Lighting Control Station (B-LCS)
- BACnet Building Controller (B-BC)
- BACnet Advanced Application Controller (B-AAC)
- BACnet Application Specific Controller (B-ASC)
- BACnet Smart Actuator (B-SA)
- BACnet Smart Sensor (B-SS)
- BACnet Lighting Supervisor (B-LS)
- BACnet Lighting Device (B-LD)
- BACnet Advanced Life Safety Controller (B-ALSC)
- BACnet Life Safety Controller (B-LSC)
- BACnet Advanced Access Control Controller (B-AACC)
- BACnet Access Control Controller (B-ACC)

- BACnet Advanced Elevator Controller (B-AEC)
- BACnet Elevator Controller (B-EC)
- BACnet Elevator Monitor (B-EM)
- BACnet Router (B-RTR)
- BACnet Gateway (B-GW)
- BACnet Broadcast Management Device (B-BBMD)
- BACnet Access Control Door Controller (B-ACDC)
- BACnet Access Control Credential Reader (B-ACCR)
- BACnet Secure Connect Hub (B-SCHUB)

- BACnet General (B-GENERAL)

BACnet Interoperability Building Blocks Supported (Annex K):

- DS-RP-B
- DS-RPM-B
- DS-WP-B
- DM-DDB-B
- DM-DOB-B
- DM-DCC-B

Segmentation Capability:

- Able to transmit segmented messages Window Size _____
- Able to receive segmented messages Window Size _____

Standard Object Types Supported:
Device Object Type

Property Identifier	Property Datatype	
Object Identifier	BACnetObjectIdentifier	W
Object Name	CharacterString (max. 32 characters)	W
Object Type	BACnetObjectType	R
System Status	BACnetDeviceStatus	R
Vendor Name	CharacterString	R
Vendor Identifier	Unsigned16	R
Model Name	CharacterString	R
Firmware Revision	CharacterString	R
Application Software Version	CharacterString	R
Location	CharacterString	W
Description	CharacterString	R
Protocol Version	Unsigned	R
Protocol Revision	Unsigned	R
Protocol Services Supported	BACnetServicesSupported	R
Protocol Object Types Supported	BACnetObjectTypesSupported	R
Object List	BACnetARRAY[N]of BACnetObjectIdentifier	R
Max APDU Length Accepted	Unsigned	R
Segmentation Supported	BACnetSegmentation	R
APDU Timeout	Unsigned	R
Number Of APDU Retries	Unsigned (3)	R
Device Address Binding	List of BACnetAddressBinding (empty)	R
Database Revision	Unsigned (3)	R
Local Time	Time	W
UTC Offset	Integer	R
Local Date	Date	W
Daylight Savings Status	Boolean	R
Active COV Subscriptions	BACnetLIST of BACnetCOV Subscription	R

Network Port Object

Property Identifier	Property Datatype	
Object Identifier	BACnetObjectIdentifier	R
Object Name	CharacterString	R
Object Type	BACnetObjectType	R
Status Flags	BACnetStatusFlags	R
Reliability	BACnetReliability	R
Out Of Service	BOOLEAN	W
Network Type	BACnetNetworkType (0:Ethernet)	R
Protocol Level	BACnetProtocolLevel (0:Physical)	R
Changes Pending	Boolean	R
IP Address	OctetString	W ₁
IP Subnet Mask	OctetString	W ₁
IP Default Gateway	OctetString	W ₁
IP DNS Server	OctetString	W ₁
IP DHCP Enable	Boolean	W
FD Bbmd Address	BACnetHostNPort	W
FD Subscription Lifetime	Unsigned	W
BACnet IP Mode	BACnetIpMode	R
BACnet IP UDP Port	Unsigned	W
MAC Address	OctetString	R
APDU Length	Unsigned	R
Network Number	Unsigned16	R
Network Number Quality	BACnetNetworkNumberQuality	R

1 only read, if IP_DHCP_Enable is TRUE

Analog-Input Object Type

Property Identifier	Property Datatype	
Object Identifier	BACnetObjectIdentifier	R
Object Name	CharacterString (max. 32 characters)	W
Object Type	BACnetObjectType	R
Present Value	REAL	R
Status Flags	BACnetStatusFlags	R
Event State	BACnetEventState	R
Out Of Service	BOOLEAN	W
Units	BACnetEngineeringUnits	R
Description	CharacterString (max. 64 characters)	W
Cov Increment	REAL	R

Analog-Value Object Type

Property Identifier	Property Datatype	
Object Identifier	BACnetObjectIdentifier	R
Object Name	CharacterString (max. 32 characters)	W
Object Type	BACnetObjectType	R
Present Value	REAL	W
Status Flags	BACnetStatusFlags	R
Event State	BACnetEventState	R
Out Of Service	BOOLEAN	W
Units	BACnetEngineeringUnits	R
Priority Array	BACnetARRAY[16]	R
Relinquish Default	REAL	R
Description	CharacterString (max. 64 characters)	W
Cov Increment	REAL	R

Binary-Value Object Type

Property Identifier	Property Datatype	
Object Identifier	BACnetObjectIdentifier	R
Object Name	CharacterString (max. 32 characters)	W
Object Type	BACnetObjectType	R
Present Value	BOOLEAN	W
Status Flags	BACnetStatusFlags	R
Event State	BACnetEventState	R
Out Of Service	BOOLEAN	W
Description	CharacterString (max. 64 characters)	W
Priority Array	BACnetARRAY[16]	R
Relinquish Default	BOOLEAN	R
Inactive Text	CharacterString	R
Active Text	CharacterString	R

Multistate-Value Object Type

Property Identifier	Property Datatype	
Object Identifier	BACnetObjectIdentifier	R
Object Name	CharacterString (max. 32 characters)	W
Object Type	BACnetObjectType	R
Present Value	Unsigned	W
Status Flags	BACnetStatusFlags	R
Event State	BACnetEventState	R
Out Of Service	BOOLEAN	W
Number Of States	Unsigned	R
Description	CharacterString (max. 64 characters)	W
Priority Array	BACnetARRAY[16]	R
Relinquish Default	REAL	R
State Text	BACnetARRAY[N]of CharacterString	R

Positive-Integer-Value Object Type

Property Identifier	Property Datatype	
Object Identifier	BACnetObjectIdentifier	R
Object Name	CharacterString (max. 32 characters)	W
Object Type	BACnetObjectType	R
Present Value	Unsigned	W
Status Flags	BACnetStatusFlags	R
Out Of Service	BOOLEAN	W
Units	BACnetEngineeringUnits	R
Description	CharacterString (max. 64 characters)	W
Priority Array	BACnetARRAY[16]	R
Relinquish Default	Unsigned	R

BACnet Data Link Layer Options:

- ARCNET (ATA 878.1), 2.5 Mb. (Clause 8)
- ARCNET (ATA 878.1), EIA-485 (Clause 8), baud rate(s) _____
- BACnet IP, (Annex J)
- BACnet IP, (Annex J), Foreign Device
- BACnet IP, (Annex J), BACnet Broadcast Management Device (BBMD)
- BACnet IP, (Annex J), Network Address Translation (NAT Traversal)
- BACnet IPv6, (Annex U)
- BACnet IPv6, (Annex U), BACnet Broadcast Management Device (BBMD)
- BACnet/ZigBee (Annex O) _____
- Ethernet, ISO 8802-3 (Clause 7)
- LonTalk, ISO/IEC 14908.1 (Clause 11), medium: _____
- MS/TP master (Clause 9)
- Master Slave
- Non-isolated transceiver Isolated transceiver
- Local 47K ohms bias resistors None Other: _____
- Transceiver unit loading: 1 ½ ¼ ⅛
- Data rates: 9600 19200 38400 57600 76800 115200
- Point-To-Point, EIA 232 (Clause 10), baud rate(s): _____
- Point-To-Point, modem, (Clause 10), baud rate(s): _____
- BACnet Secure Connect (Annex AB)
- BACnet Secure Connect Node
- If direct connections are supported:
- Maximum number of simultaneous direct connections initiated: _____
- Maximum number of simultaneous direct connections accepted: _____
- BACnet Secure Connect Hub Function
- Maximum number of simultaneous hub connections accepted: _____
- HTTPS Proxy Support
- List the types of HTTPS proxies supported: _____
- Additional cipher suites supported beyond those required for TLS V1.3
- The additional cipher suites supported using the cipher suite names as of the TLS Cipher Suite Registry at IANA (See RFC 8446):
- _____
- _____
- Additional Transport Layer Security versions other than V1.3 supported
- The TLS versions other than V1.3 that are supported, including the supported cipher suites for the version beyond those required, using the cipher suite names as defined by the TLS version supported:
- _____
- _____
- Generates private keys internally, and provides matching certificate signing requests.
- DNS host name resolution supported (RFC 1123)
- mDNS host name resolution supported (RFC 6762)
- 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

Character Sets Supported:

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

- | | | |
|---|---|-------------------------------------|
| <input checked="" type="checkbox"/> ISO 10646 (UTF-8) | <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 |