Protocol Implementation Conformance Statement (PICS)

BBC-SD

Vendor Name: American Auto-Matrix
Product Name: BBC-SD
Product Model Number: BBC-SD
Firmware Revision: 1.00
BACnet Protocol Revision: 4

Product Description:

The BBC-SD is a compact, addressable network display device for MS/TP based BACnet networks. It enables users to quickly monitor their system and easily make changes to the way their building is controlled. The wall mounted product has a touch-sceen operator interface with permission based menu icons, allowing simple navigation to read and write BACnet values, view alarms, grouped data, and point descrptions.

BACnet Standardized Device Profile:
☐ 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:

DS-RP-A	AE-ASUM-B	DM-UTC-B
DS-RP-B	SCHED-A	DM-RD-B
DS-RPM-B	DM-DDB-B	
DS-WP-A	DM-DOB-B	
DS-WP-B	DM-DCC-B	
DS-WPM-B	DM-TS-B	

Segmentation Capability:
Able to transmit segmented messages ☐ yes ☑ no   Window Size:

Able to receive segmented messages ☐ yes ☑ no   Window Size:

STANDARD OBJECT TYPES SUPPORTED

Dynamically Creatable Objects

None

Dynamically Deletable Objects

None

Properties

Bold indicates writable properties

Italics indicates optional properties.:

Device

object_identifier
object_name
object_type
system_status
vendor_name
vendor_identifier
profile_name
model_name
firmware_revision
application_software_version
location
description
protocol_version
protocol_revision
protocol_services_supported
protocol_object_types_supported
object_list
max_apdu_length_accepted
segmentation_supported
local_time
local_date
utc_offset
daylight_savings_status
apdu_timeout
number_of_apdu_retries
max_master
max_info_frames
time-synchronization-recipients
device_address_binding
database_revision
profile-name

File

object_identifier
object_name
object_type
file_type
file_size
modification_date
archive
read_only
file_access_method

DATA LINK LAYER OPTIONS:

☐ BACnet IP, (Annex J)
☐ BACnet IP, (Annex J), Foreign Device
☐ ISO 8802-3, Ethernet (Clause 7)
☐ ANSI/ATA 878.1, 2.5 Mb. ARCNET (Clause 8)
☐ ANSI/ATA 878.1, RS-485 ARCNET (Clause 8), baud rate(s):
☑ MS/TP master (Clause 9), baud rate(s): 9.6k, 19.2k, 38.4k, 57.6k, 76.8k, 115.2k
☐ 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? ☐ Yes☑ No

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

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.

☑ ANSI X3.4	☐ ISO 10646 (UCS-4)
☐ IBM™/Microsoft™ DBCS	☐ ISO 10646 (UCS-2)
☐ JIS C 6226	☐ ISO 8859-1

GATEWAY

The BBC-SD does not support gateway functionality for any types of non-BACnet equipment/network(s).