PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT (PICS)

MATRIX ROUTER PRODUCT FAMILY

Vendor Name: American Auto-Matrix
Product Name: Matrix Router Product Family
Product Model Number: MATRIX - (BBO, BBO-B, BBB-B, SPO, SPX, DPO, DPX)
Firmware Revision: 1.03.03
BACnet Protocol Revision: 4

Product Description:

The Matrix Router product family consists of high-speed Ethernet controllers designed to provide users with reliable BACnet routing capabilities. Select models of the Matrix Router include the ability for the product to act as a BBMD with support for registration of foreign devices.

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	NM-RC-B
DS-WP-B	DM-DDB-B
	DM-TS-B
	DM-UTC-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

<u>Device</u>

object-identifier
object-name
object-type
system-status
vendor-name
vendor-id
model-name
firmware-revision
application-software-revision
location
description
protocol-version
protocol-revision
protocol-services-supported
protocol-object-types-supported
object-list
max-apdu-length
segmentation-supported
local-time
local-date
utc-offset
daylight-savings-status
apdu-timeout
number-of-apdu-retries
max-master
max-info-frames
device-address-binding
database-revision
profile-name

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, 76.8k
☐ 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 - 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.

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

GATEWAY

This product does not support gateway functionality for any types of non-BACnet equipment/network(s).

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