

PROTOCOL IMPLEMENTATION
CONFORMANCE
STATEMENT (PICS)



NB-PRO AND *NB-LINK*

Vendor Name: American Auto-Matrix
Product Name: *NB-Pro* & *NB-Link*
Product Model Number: *NB-Link*, *NB-Pro*
Application Software Version: v2.xx
Firmware Revision: v2.xx
BACnet Protocol Revision: 4

Product Description:

NB-Pro and *NB-Link* are engineering tools used to commission American Auto-Matrix Native Series products that communicate on BACnet MS/TP and BACnet/IP network layers. Through use of AspectFT Matrix products, *NB-Pro* can communicate to sites across LAN/WAN connections to provide remote access to devices. Aside from providing engineering and commissioning capabilities, *NB-Pro* can also be used as a exploratory tool to interpret and view information from any BACnet network.

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	DM-DDB-A
DS-RP-B	DM-DDB-B
DS-RPM-A	DM-TS-A
DS-WP-A	DM-PT-A
DS-WPM-A	SCHED-A
AE-N-I-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
model_name
firmware_revision
application_software_version
protocol_version
protocol_revision
protocol_services_supported
protocol_object_types_supported
object_list
max_apdu_length_accepted
segmentation_supported
local_time
local_date
apdu_timeout
number_of_apdu_retries
max_master
max_info_frames
device_address_binding
database_revision

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, 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.

- | | |
|---|--|
| <input checked="" type="checkbox"/> ANSI X3.4 | <input type="checkbox"/> ISO 10646 (UCS-4) |
| <input type="checkbox"/> IBM™/Microsoft™ DBCS | <input type="checkbox"/> ISO 10646 (UCS-2) |
| <input type="checkbox"/> JIS C 6226 | <input type="checkbox"/> ISO 8859-1 |

GATEWAY

There is no gateway functionality supported by this product.

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