



## BACnet Protocol Implementation Conformance Statement

<b>Date:</b>	2/14/2024	<b>Vendor Name:</b>	Ebtron, Inc.
<b>Product Name:</b>	Gold Series GTM108e	<b>Application Software Version:</b>	4.17
<b>Product Model Number:</b>	GTM108e	<b>Firmware Revision:</b>	8.28
<b>Product Description:</b>	Airflow and Temperature Measurement Device	<b>BACnet Protocol Revision:</b>	22

### BACnet Standardized Device Profile (Annex L):

- 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 Interoperability Building Blocks Supported (Annex K):

<b>DS-RP-B</b>	<b>DS-RPM-B</b>
<b>DS-WP-B</b>	<b>DS-WPM-B</b>
<b>DS-COV-B</b>	<b>DM-DDB-B</b>
<b>DM-DOB-B</b>	<b>DS-DCC-B</b>
<b>DM-RD-B</b>	<b>NM-FDR-A</b>

### Segmentation Capability:

- Segmented requests supported Window Size \_\_\_\_\_
- Segmented responses supported Window Size \_\_\_\_\_

### Standard Object Types Supported: (See Table 1)

### Data Link Layer Options:

- BACnet IP, (Annex J)
  - Option: Register as a 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): \_\_\_\_\_
- 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? (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
  - 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/UTF-8
- IBM™/Microsoft™ DBCS
- ISO 8859-1
- ISO 10646 (UCS-2)
- ISO 10646 (UCS-4)
- JIS C 6226

**If this product is a communication gateway, describe the types of non-BACnet equipment/networks(s) that the gateway supports: \_\_\_\_\_.**

**TABLE 1 - Standard Object Types Supported  
(GTM108e)**

Object	Create Object Service	Delete Object Service	Optional Properties Supported	Writeable Properties	Proprietary Properties	Property Range Restrictions	Special Requirements
Device – GTM108e	No	No	<ul style="list-style-type: none"> <li>• Description</li> <li>• Location</li> <li>• Active COV Subscriptions</li> </ul>	<ul style="list-style-type: none"> <li>• Object Identifier</li> <li>• Object Name</li> <li>• Description</li> <li>• Location</li> <li>• APDU Timeout</li> </ul>	<ul style="list-style-type: none"> <li>• BBMD Remote Address</li> <li>• BBMD Remote Port</li> <li>• Time To Live</li> <li>• Service Tag</li> </ul>	None	None
Analog Input 1 – AMD Airflow	No	No	<ul style="list-style-type: none"> <li>• Description</li> <li>• Reliability</li> <li>• COV Increment</li> </ul>	<ul style="list-style-type: none"> <li>• Units</li> <li>• Out of Service</li> <li>• COV Increment</li> <li>• Present Value</li> </ul>	None	Units: FPM, CFM, MPS, LPS	None
Analog Input 2 – AMD Temperature	No	No	<ul style="list-style-type: none"> <li>• Description</li> <li>• Reliability</li> <li>• COV Increment</li> </ul>	<ul style="list-style-type: none"> <li>• Units</li> <li>• Out of Service</li> <li>• COV Increment</li> <li>• Present Value</li> </ul>	None	Units: °C or °F	None
Analog Input 4 – AMD Alarm Status	No	No	<ul style="list-style-type: none"> <li>• Description</li> <li>• Reliability</li> <li>• COV Increment</li> </ul>	<ul style="list-style-type: none"> <li>• Out of Service</li> <li>• Present Value</li> </ul>	None	None	None
Analog Input 5 – AMD Fan Alarm Status	No	No	<ul style="list-style-type: none"> <li>• Description</li> <li>• Reliability</li> <li>• COV Increment</li> </ul>	<ul style="list-style-type: none"> <li>• Out of Service</li> <li>• Present Value</li> </ul>	None	None	Fan Array
Analog Value 1 – AMD Area	No	No	<ul style="list-style-type: none"> <li>• Description</li> <li>• Reliability</li> </ul>		None	Units: sq ft or sq m	Fan Array
Analog Value 2 – Fan 1 Area	No	No	<ul style="list-style-type: none"> <li>• Description</li> </ul>		None	Units: sq ft or sq m	Fan Array
Analog Value 3 – Fan 2 Area	No	No	<ul style="list-style-type: none"> <li>• Description</li> </ul>		None	Units: sq ft or sq m	Fan Array
Analog Value 4 – Fan 3 Area	No	No	<ul style="list-style-type: none"> <li>• Description</li> </ul>		None	Units: sq ft or sq m	Fan Array
Analog Value 5 – Fan 4 Area	No	No	<ul style="list-style-type: none"> <li>• Description</li> </ul>		None	Units: sq ft or sq m	Fan Array
Analog Value 6 – Fan 5 Area	No	No	<ul style="list-style-type: none"> <li>• Description</li> </ul>		None	Units: sq ft or sq m	Fan Array
Analog Value 7 – Fan 6 Area	No	No	<ul style="list-style-type: none"> <li>• Description</li> </ul>		None	Units: sq ft or sq m	Fan Array
Analog Value 8 – Fan 7 Area	No	No	<ul style="list-style-type: none"> <li>• Description</li> </ul>		None	Units: sq ft or sq m	Fan Array

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Thermal Dispersion Airflow Measurement

Object	Create Object Service	Delete Object Service	Optional Properties Supported	Writeable Properties	Proprietary Properties	Property Range Restrictions	Special Requirements
Analog Value 9 – Fan 8 Area	No	No	• Description		None	Units: sq ft or sq m	Fan Array
Analog Value 10 – Traverse Status	No	No	• Description • Reliability	Present Value	None	Only write 0 - 3	None
Analog Value 21 – Node 1 Velocity	No	No	• Description • Reliability		None	Units: FPM, MPS	Enabled in AV 10
Analog Value 22 – Node 2 Velocity	No	No	• Description • Reliability		None	Units: FPM, MPS	Enabled in AV 10
Analog Value 23 – Node 3 Velocity	No	No	• Description • Reliability		None	Units: FPM, MPS	Enabled in AV 10
Analog Value 24 – Node 4 Velocity	No	No	• Description • Reliability		None	Units: FPM, MPS	Enabled in AV 10
Analog Value 25 – Node 5 Velocity	No	No	• Description • Reliability		None	Units: FPM, MPS	Enabled in AV 10
Analog Value 26 – Node 6 Velocity	No	No	• Description • Reliability		None	Units: FPM, MPS	Enabled in AV 10
Analog Value 27 – Node 7 Velocity	No	No	• Description • Reliability		None	Units: FPM, MPS	Enabled in AV 10
Analog Value 28 – Node 8 Velocity	No	No	• Description • Reliability		None	Units: FPM, MPS	Enabled in AV 10
Analog Value 41 – Node 1 Temperature	No	No	• Description • Reliability		None	Units: °C or °F	Enabled in AV 10
Analog Value 42 – Node 2 Temperature	No	No	• Description • Reliability		None	Units: °C or °F	Enabled in AV 10
Analog Value 43 – Node 3 Temperature	No	No	• Description • Reliability		None	Units: °C or °F	Enabled in AV 10
Analog Value 44 – Node 4 Temperature	No	No	• Description • Reliability		None	Units: °C or °F	Enabled in AV 10
Analog Value 45 – Node 5 Temperature	No	No	• Description • Reliability		None	Units: °C or °F	Enabled in AV 10
Analog Value 46 – Node 6 Temperature	No	No	• Description • Reliability		None	Units: °C or °F	Enabled in AV 10
Analog Value 47 – Node 7 Temperature	No	No	• Description • Reliability		None	Units: °C or °F	Enabled in AV 10
Analog Value 48 – Node 8 Temperature	No	No	• Description • Reliability		None	Units: °C or °F	Enabled in AV 10
Analog Value 101 – Fan 1 Flow	No	No	• Description • Reliability		None	Units: FPM, CFM, MPS, LPS	Fan Array
Analog Value 102 – Fan 2 Flow	No	No	• Description • Reliability		None	Units: FPM, CFM, MPS, LPS	Fan Array
Analog Value 103 – Fan 3 Flow	No	No	• Description • Reliability		None	Units: FPM, CFM, MPS, LPS	Fan Array
Analog Value 104 – Fan 4 Flow	No	No	• Description • Reliability		None	Units: FPM, CFM, MPS, LPS	Fan Array
Analog Value 105 – Fan 5 Flow	No	No	• Description • Reliability		None	Units: FPM, CFM, MPS, LPS	Fan Array

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Thermal Dispersion Airflow Measurement

Object	Create Object Service	Delete Object Service	Optional Properties Supported	Writeable Properties	Proprietary Properties	Property Range Restrictions	Special Requirements
Analog Value 106 – Fan 6 Flow	No	No	<ul style="list-style-type: none"> <li>• Description</li> <li>• Reliability</li> </ul>		None	Units: FPM, CFM, MPS, LPS	Fan Array
Analog Value 107 – Fan 7 Flow	No	No	<ul style="list-style-type: none"> <li>• Description</li> <li>• Reliability</li> </ul>		None	Units: FPM, CFM, MPS, LPS	Fan Array
Analog Value 108 – Fan 8 Flow	No	No	<ul style="list-style-type: none"> <li>• Description</li> <li>• Reliability</li> </ul>		None	Units: FPM, CFM, MPS, LPS	Fan Array
Analog Value 111 – Fan 1 Temperature	No	No	<ul style="list-style-type: none"> <li>• Description</li> <li>• Reliability</li> </ul>		None	Units: °C or °F	Fan Array
Analog Value 112 – Fan 2 Temperature	No	No	<ul style="list-style-type: none"> <li>• Description</li> <li>• Reliability</li> </ul>		None	Units: °C or °F	Fan Array
Analog Value 113 – Fan 3 Temperature	No	No	<ul style="list-style-type: none"> <li>• Description</li> <li>• Reliability</li> </ul>		None	Units: °C or °F	Fan Array
Analog Value 114 – Fan 4 Temperature	No	No	<ul style="list-style-type: none"> <li>• Description</li> <li>• Reliability</li> </ul>		None	Units: °C or °F	Fan Array
Analog Value 115 – Fan 5 Temperature	No	No	<ul style="list-style-type: none"> <li>• Description</li> <li>• Reliability</li> </ul>		None	Units: °C or °F	Fan Array
Analog Value 116 – Fan 6 Temperature	No	No	<ul style="list-style-type: none"> <li>• Description</li> <li>• Reliability</li> </ul>		None	Units: °C or °F	Fan Array
Analog Value 117 – Fan 7 Temperature	No	No	<ul style="list-style-type: none"> <li>• Description</li> <li>• Reliability</li> </ul>		None	Units: °C or °F	Fan Array
Analog Value 118 – Fan 8 Temperature	No	No	<ul style="list-style-type: none"> <li>• Description</li> <li>• Reliability</li> </ul>		None	Units: °C or °F	Fan Array
Network Port 1	No	No	<ul style="list-style-type: none"> <li>• Description</li> <li>• Network Number</li> <li>• Network Number Quality</li> <li>• Mac Address</li> <li>• APDU Length</li> <li>• BACnet IP Mode</li> <li>• IP Address</li> <li>• IP UDP Port</li> <li>• IP Subnet Mask</li> <li>• IP Default Gateway</li> <li>• IP DNS Server</li> <li>• IP DHCP Enable</li> <li>• Foreign Device BBMD Address</li> <li>• Foreign Device Subscription Lifetime</li> </ul>	<ul style="list-style-type: none"> <li>• BACnet IP Mode</li> <li>• Foreign Device BBMD Address</li> <li>• Foreign Device Subscription Lifetime</li> </ul>	None	None	None