

# FLEXUS BACnet Interface

Protocol Implementation Conformance Statement (PICS)

9-Aug-2016



Vendor Name: **Flexim Americas Corporation**  
Product Name: **ADM7407 and F704**  
Applications Software Version: **v2.15**  
Firmware Revision: **v2.15**  
BACnet Protocol Revision: **9**

## 1. Product Description

ADM is a meter capable of conveying measured values such as temperature, flow, thermal energy and volume to a BACnet network.

## 2. BACnet Standardized Device Profile (Annex L)

ADM supports the B-ASC profile.

## 3. BACnet Interoperability Building Blocks Supported (Annex K)

- DM-DDB-B, DM-DOB-B, DM-DCC-B,
- DS-RP-B, DS-WP-B, DS-RPM-B, and DS-COV-B

## 4. Segmentation Capability

ADM does not support segmentation.

## 5. Data Link Layer Options

BACnet IP, (Annex J)

## 6. Device Address Binding

Static binding is fully supported.

## 7. Networking Options

ADM does not provide router or Annex H tunneling or BBMD functionality.

## 8. Character Sets Supported

ASCII

## 9. Standard Object Types Supported

No object types may be dynamically created or deleted.

No proprietary object types are supported.

ADM is capable of supporting the following object types:

- Analog Input
- Analog Value
- Device

## 10. Supported Properties

Writable properties are listed in **bold**.

### Device

Object Identifier, Object Type, **Object Name**, **Description**, System Status, Vendor Name, Vendor Identifier, Model Name, Firmware Revision, Application Software Revision, Protocol Version, Protocol Revision, Protocol Services Supported, Protocol Object Types Supported, Object List, Active COV Subscriptions, Max Master, Max Info Frames, Max APDU Length Accepted, Segmentation Supported, APDU Timeout, Number of APDU Retries, Device Address Binding, Database Revision

### Analog Input

Object Identifier, Object Type, Object Name, Description, Present Value, **Units**, Status Flags, Event State, Reliability, Out of Service, COV Increment

### Analog Value

Object Identifier, Object Type, Object Name, Description, **Present Value**, **Units**, Status Flags, Event State, Reliability, Out of Service, COV Increment

## 11. Value Restrictions

### Device

Property Name	Value Restrictions
Object Name	Max. 36 characters
Description	Max. 45 characters

**Analog Input**

<b>Instance</b>	<b>Property Name</b>	<b>Value Restrictions</b>
101	Units	62,64
102	Units	62,64
103	Units	55,45700,56,45701,59,45702,45703
104	Units	55,45700,56,45701,59,45702,45703
105	Units	95
106	Units	74,45704,45705,76
107	Units	74,45704,45705,76
108	Units	135,45706,165,85,45707,45708,136,88,87,45709, 45710,192,89,45711,45712,45713,45714,45715, 45716,45717,45718,191,84,142,45719,45720,45721,45722
111	Units	135,45706,165,85,45707,45708,136,88,87,45709,45710, 192,89,45711,45712,45713,45714,45715,45716,45717, 45718,191,84,142,45719,45720,45721,45722
114	Units	42,154,45729,156,44,43,42,45730,46,45,119,45731,45732
117	Units	47,48,49,45734,157,45735,45736,52,45737,45738,45739, 22,45742,45743,45741,45740
120	Units	95
121	Units	199
122	Units	199
123	Units	98
124	Units	98
125	Units	98
126	Units	45745
201	Units	62,64
202	Units	62,64
203	Units	55,45700,56,45701,59,45702,45703
204	Units	55,45700,56,45701,59,45702,45703
205	Units	95
206	Units	74,45704,45705,76
207	Units	74,45704,45705,76
208	Units	135,45706,165,85,45707,45708,136,88,87,45709, 45710,192,89,45711,45712,45713,45714,45715, 45716,45717,45718,191,84,142,45719,45720,45721,45722
211	Units	135,45706,165,85,45707,45708,136,88,87,45709,45710, 192,89,45711,45712,45713,45714,45715,45716,45717, 45718,191,84,142,45719,45720,45721,45722
214	Units	42,154,45729,156,44,43,42,45730,46,45,119,45731,45732
217	Units	47,48,49,45734,157,45735,45736,52,45737,45738,45739, 22,45742,45743,45741,45740
220	Units	95
221	Units	199
222	Units	199
223	Units	98
224	Units	98
225	Units	98

226	Units	45745
1008	Units	135,45706,165,85,45707,45708,136,88,87,45709,45710,192,89,45711,45712,45713,45714,45715,45716,45717,45718,191,84,142,45719,45720,45721,45722
1011	Units	135,45706,165,85,45707,45708,136,88,87,45709,45710,192,89,45711,45712,45713,45714,45715,45716,45717,45718,191,84,142,45719,45720,45721,45722
1014	Units	42,154,45729,156,44,43,42,45730,46,45,119,45731,45732
1017	Units	47,48,49,45734,157,45735,45736,52,45737,45738,45739,22,45742,45743,45741,45740

**Analog Value**

Instance	Property Name	Value Restrictions
109	Units Present Value	80,45723,45724,82,83,45725,45726,45727,197,79,45728 0.0
110	Units Present Value	80,45723,45724,82,83,45725,45726,45727,197,79,45728 0.0
112	Units Present Value	80,45723,45724,82,83,45725,45726,45727,197,79,45728 0.0
113	Units Present Value	80,45723,45724,82,83,45725,45726,45727,197,79,45728 0.0
115	Units Present Value	39,195,41,40,45733 0.0
116	Units Present Value	39,195,41,40,45733 0.0
118	Units Present Value	146,18,19,16,17,126,147,148,22,45741,45742,45743,45744,20 0.0
119	Units Present Value	146,18,19,16,17,126,147,148,22,45741,45742,45743,45744,20 0.0
209	Units Present Value	80,45723,45724,82,83,45725,45726,45727,197,79,45728 0.0
210	Units Present Value	80,45723,45724,82,83,45725,45726,45727,197,79,45728 0.0
212	Units Present Value	80,45723,45724,82,83,45725,45726,45727,197,79,45728 0.0
213	Units Present Value	80,45723,45724,82,83,45725,45726,45727,197,79,45728 0.0
215	Units Present Value	39,195,41,40,45733 0.0
216	Units Present Value	39,195,41,40,45733 0.0
218	Units Present Value	146,18,19,16,17,126,147,148,22,45741,45742,45743,45744,20 0.0
219	Units	146,18,19,16,17,126,147,148,22,45741,45742,45743,45744,20



	Present Value	0.0
1009	Units	80,45723,45724,82,83,45725,45726,45727,197,79,45728
	Present Value	0.0
1010	Units	80,45723,45724,82,83,45725,45726,45727,197,79,45728
	Present Value	0.0
1012	Units	80,45723,45724,82,83,45725,45726,45727,197,79,45728
	Present Value	0.0
1013	Units	80,45723,45724,82,83,45725,45726,45727,197,79,45728
	Present Value	0.0
1015	Units	39,195,41,40,45733
	Present Value	0.0
1016	Units	39,195,41,40,45733
	Present Value	0.0
1018	Units	146,18,19,16,17,126,147,148,22,45741,45742,45743, 45744,20
	Present Value	0.0
1019	Units	146,18,19,16,17,126,147,148,22,45741,45742,45743, 45744,20
	Present Value	0.0