BACnet Protocol
Implementation Conformance Statement

Products

Product	Model Number	Protocol Revision	Software Revision	Firmware Revision
Insight workstation with BACnet Client Operator Workstation	571-010	135-2004	3.13	N/A
Insight workstation with BACnet Server Operator Workstation	571-020	135-2004	3.13	N/A

Date Tested: The latest information on BTL listings can be found at www.bacnetinternational.org/btl.

Vendor Information

Siemens Industry, Inc.
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Product Description

The Insight® workstation provides a powerful and comprehensive interface to manage and control a facility within a user friendly operating environment. The Insight workstation, combined with the multi-tasking environment of Windows® XP/2003/Win7/2008/2008R2, provides ease-of-use, power, connectivity, and manageability. The Insight workstation with BACnet provides an integration platform to work with other BACnet enabled systems and devices using either BACnet Ethernet or BACnet/IP protocols.

BACnet Standardized Device Profile

Supported	Device Profile
●	BACnet Advanced Workstation (B-AWS)
	BACnet Operator Workstation (B-OWS)
	BACnet Building Controller (B-BC)
	BACnet Advanced Application Controller (B-AAC)
	BACnet Application Specific Controller (B-ASC)
	BACnet Smart Actuator (B-SA)
	BACnet Smart Sensor (B-SS)

Supported BACnet Interoperability Building Blocks (BIBBs)

BIBB	Name	Initiate	Execute
DS-RP-A	Data Sharing-ReadProperty-A	•	
DS-RP-B	Data Sharing-ReadProperty-B		•
DS-RPM-A	Data Sharing-ReadPropertyMultiple-A	•	
DS-RPM-B	Data Sharing-ReadPropertyMultiple-B		•
DS-WP-A	Data Sharing-WriteProperty-A	•	
DS-WP-B	Data Sharing-WriteProperty-B		•
DS-WPM-A	Data Sharing-WritePropertyMultiple-A	•	
DS-WPM-B *	Data Sharing-WritePropertyMultiple-B		•
DS-COV-A	Data Sharing-COV-A	•	
DS-COV-B *	Data Sharing-COV-B		•
DS-V-A	Data Sharing-View-A	•	
DS-M-A	Data Sharing-Modify-A	•	
DS-AV-A	Data Sharing-Advanced View-A	•	
DS-AM-A	Data Sharing-Advanced Modify-A	•	
Scheduling			
SCHED-A	Scheduling-A	•	
SCHED-VM-A	Scheduling-View and Modify-A	•	
SCHED-AVM-A	Scheduling-Advanced View and Modify-A	•	
SCHED-WS-A	Scheduling-Weekly Schedule-A	•	
Alarm and Event Management			
AE-N-A	Alarm and Event-Notification-A	•	
AE-N-I-B *	Alarm and Event-Notification Internal-B		•
AE-N-E-B *	Alarm and Event-Notification External-B		•
AE-ACK-A	Alarm and Event-ACK-A	•	
AE-ACK-B *	Alarm and Event-ACK-B		•
AE-ASUM-A	Alarm and Event-Alarm Summary-A	•	
AE-ASUM-B *	Alarm and Event-Alarm Summary-B		•
AE-ESUM-A	Alarm and Event-Enrolment Summary-A	•	
AE-ESUM-B *	Alarm and Event-Enrolment Summary-B		•
AE-INFO-A	Alarm and Event-Information-A	•	
AE-AS-A	Alarm and Event-Alarm Summary View-A	•	
AE-VM-A	Alarm and Event-View and Modify-A	•	
AE-AVM-A	Alarm and Event-Advanced View and Modify-A	•	
AE-VN-A	Alarm and Event-View Notifications-A	•	

BIBB	Name	Initiate	Execute
AE-AVN-A	Alarm and Event-Advanced View Notifications-A	•	
Trending			
T-V-A	Trending-View-A	•	
T-AVM-A	Trending-Advanced View and Modify-A	•	
T-VMT-A	Trending-Viewing and Modifying Trends-A	•	
T-ATR-A	Trending-Automated Trend Retrieval-A	•	
Network Management			
NM-CE-A	Network Management-Connection Establishment-A	•	
Device Management			
DM-DDB-A	Device Management-Dynamic Device Binding-A	•	
DM-DDB-B	Device Management-Dynamic Device Binding-B		•
DM-DOB-A	Device Management-Dynamic Object Binding-A	•	
DM-DOB-B	Device Management-Dynamic Object Binding-B		•
DM-DCC-A	Device Management-DeviceCommunicationControl-A	•	
DM-PT-A	Device Management-Private Transfer-A	•	
DM-PT-B	Device Management-Private Transfer-B		•
DM-TM-B	Device Management-Text Message-B		•
DM-TS-A	Device Management-TimeSynchronization-A	•	
DM-UTC-A	Device Management-UTCTimeSynchronization-A	•	
DM-R-A	Device Management-Restart-A	•	
DM-RD-A	Device Management-ReinitializeDevice-A	•	
DM-BR-A	Device Management-Backup and Restore-A	•	
DM-LM-A	Device Management-List Manipulation-A	•	
DM-LM-B	Device Management-List Manipulation-B		•
DM-OCD-A	Device Management-Object Creation and Deletion-A	•	
DM-ANM-A	Device Management-Automatic Network Mapping-A	•	
DM-ADM-A	Device Management-Automatic Device Mapping-A	•	
DM-ATS-A	Device Management-Automatic Time Synchronization-A	•	
DM-MTS-A	Device Management-Manual Time Synchronization-A	•	

* Indicates support through the Insight Workstation with BACnet Server

Standard Object Types Supported

Object Type
Device

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): _____
	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: _____

Segmentation Capability

Can transmit segmented messages	Yes	Window Size: 16 (Configurable)
Can receive segmented messages	Yes	Window Size: 16 (Configurable)

Device Address Binding

Is Static Device Binding supported?	Yes

Networking Options

	Router, Clause 6
	Annex H.3, BACnet Tunneling Router over UDP/IP
●	BACnet/IP Broadcast Management Device (BBMD)
Yes	Does the BBMD support registrations by Foreign Devices?

Character Sets

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