

BACnet Supervisor



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The TAC I/A Series includes a unique suite of Java®-based products that are designed to integrate a variety of devices and protocols into a common, distributed, automation system.

The TAC I/A Series BACnet Supervisor™ (IA-BAC) is a fully web-based, vendor-independent BACnet™ workstation solution providing users with the ability to view, manage, and control multi-vendor BACnet systems and devices from a common system. The TAC I/A Series BACnet Supervisor supports dynamic graphics, alarm and event logs, status summaries, historical trending, and changing of control parameters while providing secure access and an audit trail for facility management.

Description continued on next page.

SPECIFICATIONS

PLATFORM

Intel Pentium® 4, 1.5 GHz or higher.

1 GB RAM, minimum.

80 GB hard drive, minimum.

OPERATING SYSTEM

Microsoft® Windows NT® 4.0, Windows® 2000, or Windows XP Professional.

Supported by TAC I/A Series software release 2.3.4 or higher.

TAC I/A SERIES ENTERPRISE SERVER

The TAC I/A Series BACnet Supervisor is also supported by the TAC I/A Series Enterprise Server. This enables multiple UNC's, via the Enterprise Server, to connect to multiple BACnet servers for maximum configuration flexibility.

BACNET FEATURES SUPPORTED

Standard BACnet Objects

- Analog In
- Analog Out
- Analog Value
- Binary Input
- Binary Output
- Binary Value
- Multi-State Input
- Multi-State Output
- Multi-State Value
- Schedule (Export only)
- Calendar (Export only)
- Trend (Export only)
- Device

Segmentation Capability

- Segmented Request
- Segmented Response

Application Services

- Read Property
- Read Property Multiple
- Write Property
- Write Property Multiple
- Confirmed Event
- Notification
- Unconfirmed Event
- Notification
- Acknowledge Alarm
- Get Alarm Summary
- Who-has
- I-have
- Who-is
- I-am
- Subscribe COV
- Confirmed COV Notification
- Unconfirmed COV Notification

Media Types

- Ethernet
- BACnet I/P Annex J
- MSTP Via UNC-510
- UNC-610, UNC-410

BACnet Broadcast Management (BBMD) function is supported.

BACnet Router function is supported.

Description continued from first page.

Fully web-based, there is no thick client software to install or support and no client license to buy. Information from your BACnet devices can be directly accessed from a standard web browser.

The TAC I/A Series BACnet Supervisor provides powerful “back end” services, supporting email, pager, and cell phone alarming, and historical data archiving for long-term storage and analysis using common industry-standard databases.

The TAC I/A Series BACnet Supervisor provides the capability to connect directly to any BACnet device that communicates BACnet IP over Ethernet, or to MSTP BACnet field devices when used in conjunction with UNC controllers. The TAC I/A Series BACnet Supervisor also provides the freedom to expand your system with other protocols including LonWorks™, Modbus™, and many legacy drivers. Implement as an open BACnet workstation today, connect to any third party BACnet devices available on the market, and grow to a full featured TAC I/A Series Building Automation Suite using TAC I/A Series UNC controllers, or other open and legacy system drivers. In addition, the functions of a BACnet router are provided along with the BACnet Broadcast Management Device.

FEATURES

- Full web-enabled user interface support for BACnet data points. Serves dynamic, animated graphic displays directly to a standard Web browser. No “thick client” software required.
- Provides supervisory control of BACnet devices and systems including monitoring and alarming of BACnet data points.
- Supports dynamic graphics, archiving of historical data, alarm management, scheduling, web browser access, real-time control, audit trail, and secure access.
- Any BACnet data point may be trended using standard trend objects; Trend Object is exportable as a BACnet object.
- BACnet alarms are monitored and can be routed to any TAC I/A Series recipient.
- Fully integrated with the TAC I/A Series distributed architecture systems.
- BACnet Broadcast Management (BBMD) and Router functions are supported.

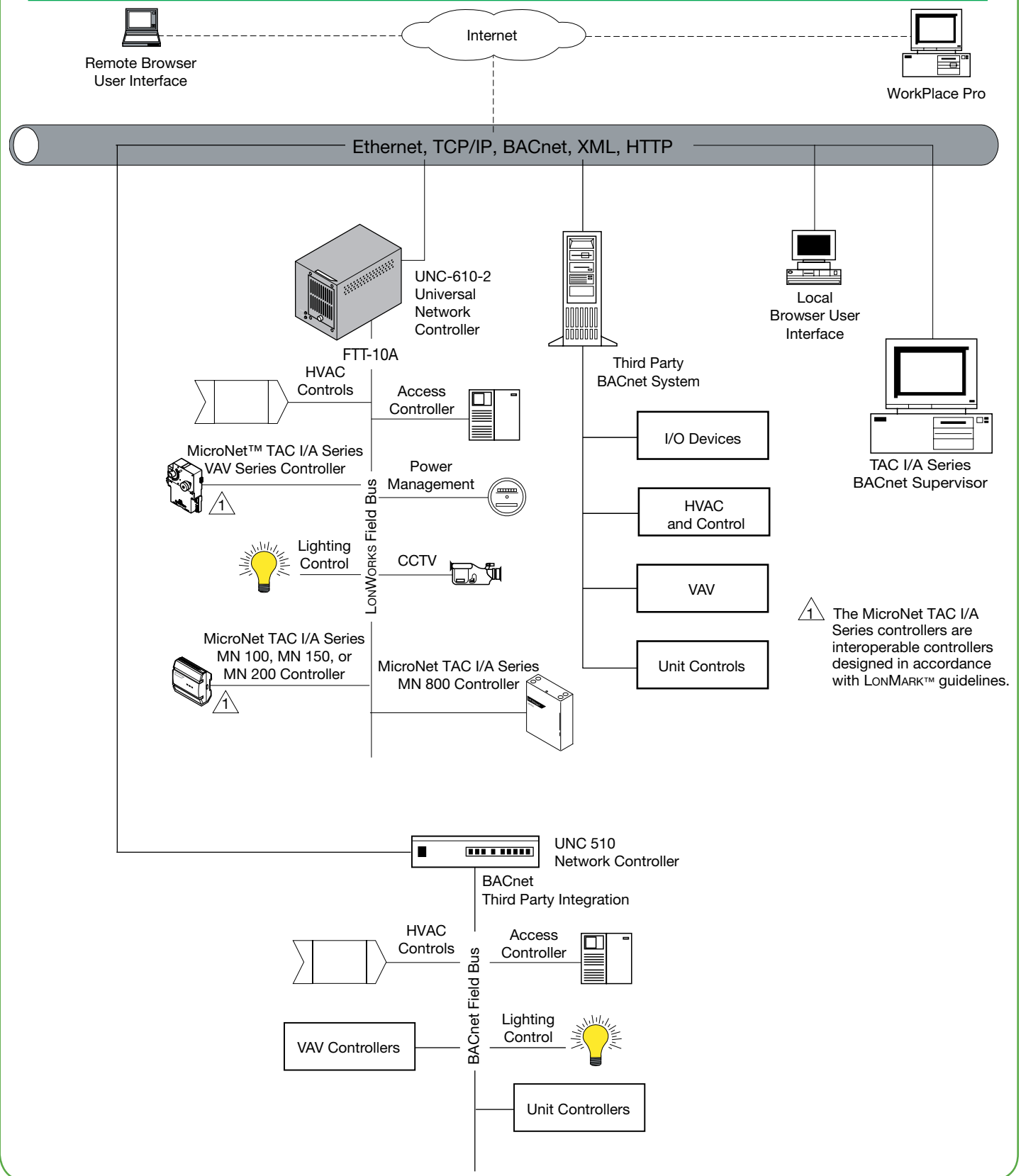
MODELS

Part Number	Description
IA-BAC	TAC I/A Series BAC Supervisor application with 500 BACnet point capacity, expandable in 500-point increments by ordering IA-BAC-500. Includes WorkPlace Pro, Alarm Services, and two Alarm Service clients.
IA-BAC-500	License for additional 500 BACnet points, for TAC I/A Series BACnet Supervisor application.

OPTIONS

Part Number	Description
IA-ENT-N	License to support additional UNCs
IA-ENT-20	License to support 20 UNCs
IA-ENT-50	License to support 50 UNCs
IA-ENT-100	License to support 100 UNCs
IA-SQL-DBS	SQL Database Driver
IA-MSDE-DBS	MSDE (Microsoft Data Engine) Driver
IA-ENT-AS-C	License to support additional Alarm Service Clients

ARCHITECTURE



On October 1st, 2009, TAC became the Buildings Business of its parent company Schneider Electric. This document reflects the visual identity of Schneider Electric, however there remains references to TAC as a corporate brand in the body copy. As each document is updated, the body copy will be changed to reflect appropriate corporate brand changes.

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