



Enhance the ability to
monitor and control
a BACnet system
through the Niagara^{AX}
Supervisor. with OWS
and AWS



BACnet Operator Workstation and BACnet Advanced Workstation

Overview

VYKON's BACnet Operator Workstation (OWS) and BACnet Advanced Workstation (AWS) enhance the ability to monitor and control a BACnet system through the Niagara^{AX} Supervisor. The workstations provide additional control and presentation features on top of the BACnet Client IP Driver and satisfy BTL listing requirements.

Operator Workstation (OWS)

The BACnet OWS device profile, standardized by BACnet International, is used for monitoring and basic control of a system. This device profile is designed for daily operators who need the ability to monitor basic system status and perform simple modification to the operation of the system.

Features of OWS:

In addition to features included with the standard BACnet Client driver, the OWS option offers:

- **Event Information**
For BACnet devices that support GetEventInformation service, outstanding device events that were not logged in Niagara may be requested. The event is then propagated to the Niagara alarm service. For devices that support GetAlarmSummary, the driver will display unacknowledged alarms, but not import alarms into the Niagara alarm service.
- **Enrollment Summary**
Retrieves a summary of BACnet objects within a device that match a set of user definable criteria.
- **Configurable Threads for Polling**
Device polling threads may be increased to more than 2 threads if increased performance is needed.
- **Configurable Threads for Proxy Point Writes**
Multiple threads may now be configured for proxy points. Useful for networks that have a large number of proxy points configured to write on start.

Advanced Workstation (AWS)

The BACnet AWS device profile is used to monitor the performance of a system and to modify parameters that affect the operation of a system. This profile is designed for the building operator or technician with a higher level of technical ability. The Advanced Workstation provides support for limited configuration actions and ongoing commissioning activities.

Features of AWS:



In addition to features included with the standard BACnet Client drive and the OWS option, the AWS option provides:

- **Communication Control**
Control a device's ability to generate traffic on a network. Useful for diagnostics or if a device is faulty.
- **Reinitialize Device**
Ability to restart a device from the AWS
- **Backup Device** (for devices that support DM-BR-B BIBB)
Backup a device's configuration to a file
- **Restore Device** (for devices that support DM-BR-B BIBB)
Restore a previous backup to a device
- **History Import Manager**
Import BACnet Event Log objects to a Niagara history.
- **Configuration Manager** (for devices that support this functionality)
Create additional BACnet objects in a BACnet device
Delete BACnet objects in a BACnet device

System Requirements:

VYKON Niagara^{AX} Supervisor version 3.6 or later with BACnet IP Client Driver License

Ordering Information

	Part Number	Description
	DR-S-BAC-OWS*	Add BACnet Operator Workstation (OWS) to the AX Supervisor. Requires the BACnet IP Client Driver
	DR-S-BAC-AWS*	Add BACnet Advanced Workstation (AWS) to the AX Supervisor. Requires the BACnet IP Client Driver
	DR-S-BAC-AWS-UP	Upgrade from an Operator Workstation (OWS) to an Advanced Workstation (AWS)
	DR-S-BAC-CL	BACnet IP Client Driver for the AX Supervisor; Includes license for 500 BACnet points

**Note: BTL Listing is only valid when the OWS or AWS driver is added to the BACnet IP Client Driver. Adding the BACnet Export or Server Feature to the Supervisor invalidates the BTL Listing.*