

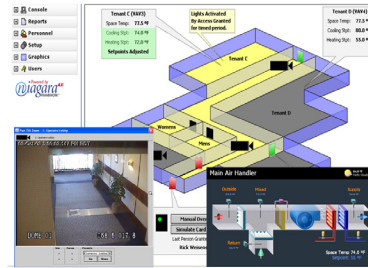


Orchestrate building automation, energy, and security functions of any facility by means of a single software and hardware platform with VYKON Integrated Intelligence.

VYKON Integrated Intelligence

Overview

VYKON® Integrated Intelligence (Vii) is a complete management and control suite that orchestrates the building automation, energy, and security functions of any facility by means of a single software and hardware platform. VYKON Integrated Intelligence integrates diverse systems and devices – regardless of manufacturer or communications protocol - into a unified platform that is easily managed and controlled in real time over the Internet using a standard web browser.



The Vii JACE® platform is a combination of the VYKON Security JACE-600 and associated peripherals, JACE protocol plug-in cards, software drivers, and the powerful features of Niagara^{AX}®. This platform provides an easy-to-deploy, cost effective and fully integrated building automation, energy management, and security system all combined in a single JACE. The platform supports up to 16 card readers and up to 80 additional field devices using BACnet®, LON®, Modbus®, and SNMP protocols. Multi-Protocol Driver Packs provide a convenient method of using multiple protocols at a competitive price.

The Vii JACE includes its own web server for remote access and does not require a remote PC for operation or system integration. In addition, open protocol drivers are available for connection to a VYKON AX Supervisor, third party BAS, or a corporate enterprise server. Additional drivers are available and may be purchased for video and other protocol integrations.

Features

- Multi-Protocol Driver
- Primary protocols supported are either BACnet or Lonworks with up to sixty (60) devices
- Supports security, video, building automation, and energy applications on a single controller
- Open NIC statement allows configuration by all brands of Niagara^{AX} tools
- Browser based, embedded product...no PCs required
- Reduces engineering and installation cost by utilizing a single controller
- Built on Niagara^{AX}, the industry's most popular open integrated platform
- Integrates with open building automation protocols including BACnet, LON, SNMP, Modbus and oBIX
- UL listed for access control (294) and energy management (916)
- Operates as a stand alone facility management system, or integrated into the VYKON Enterprise Solution
- Includes oBIX client and server driver and BACnet IP server driver as standard features

Platforms Supported

- The VYKON Integrated Intelligence JACE requires the Security JACE-6 platform

Combined System Interface Capacities

	BACnet MPD	LonWorks MPD
Readers	16	16
Security I/O	64/64	64/64
Intrusion Keypads	2	2
Personel Records	10,000	10,000
History Records	50,000	50,000

	Device/Points	Device/Points
BACnet MSTP or IP	60/2000	5/1000
LonWorks	5/100	60/2000
Modbus TCP or RTU	5/100	5/100
Video (Cameras)	16	16

Ordering Information

Model	Part Number	Restrictions
BACnet Focused Driver Pack	MPD-BAC	Multi-Protocol driver to extend the standard SEC-J-601 to building automation applications which supports 60 BACnet devices, 5 LonWorks devices, 5 Modbus TCP devices, 5 Modbus RTU devices and 5 SNMP devices.
LonWorks Focused Driver Pack	MPD-LON	Multi-Protocol driver to extend the standard SEC-J-601 to building automation applications which supports 60 LonWorks devices, 5 BACnet devices, 5 Modbus TCP devices, 5 Modbus RTU devices and 5 SNMP devices.

Notes:

- 1) See VYKON Security Datasheet for Security JACE-6 ordering information.
- 2) All driver option cards sold separately.
- 3) Multi-Protocol drivers can be added to existing Security JACE-6 platforms. Please note, by adding MPD the Security product capacities will be reduced as detailed in the System Capacities table.
- 4) See Security / BAS Resource Capacity Guide to effectively plan and estimate projects.

Architecture

