CLAXARENA, CLAXARENASBS01
CLAXARENASBS05, CLAXARENASBS10

ARENA AX - BACnet Supervisor

Product Data

OVERVIEW

ARENA^{AX} is a BACnet certified web-based supervisor utilizing the Niagara^{AX} Framework® for small to big size systems.

It is used to supervise HVAC systems and non-HVAC systems (e.g. lighting, security, life safety) in a building or across multiple buildings. The primary use is in applications where multiple HAWK and/or EAGLE controllers are networked together and systems based on TCP/IP communication standards like BACnet / IP, oBIX, OPC (client), Modbus TCP, EIB-KNX/IP, and SNMP can be directly integrated by ARENA^{AX}.

ARENA^{AX} serves real time graphical information to standard web-browser clients and also provides server-level functions such as: centralized data logging, archiving, alarming, real time graphical displays, master scheduling, system-wide database management, and integration with enterprise software applications.

In addition, it provides a comprehensive, graphical engineering toolset for application development.

ARENA^{AX} helps to maximize operating and services opportunities and to minimize associated costs.

ENGINEERING

The graphical engineering tool (COACH AX) is embedded in the ARENA^{AX} system.

FEATURES

- **WEB ACCESS**
  Access to alarms, logs, graphics, schedules, and configuration data with a standard web browser and mobile devices
- **GRAPHICS**
  Java-enabled user interface (UI) as well as non-Java UI for browsers
- **ALARMING**
  Sophisticated alarm processing and routing, including e-mail/sms alarm acknowledging
- **INTEGRATION**
  Optional direct ethernet-based driver support for BACnet I/P, OPC (client), Modbus TCP, EIB/IP and SNMP; additional points for each driver can be purchased in blocks of 500 for each protocol
- **USERS**
  Supports an unlimited number of users over the Internet / Intranet with a standard web browser, depending on the host PC resources
- **ARCHIVING**
  Optional enterprise-level data archival using SQL, MySQL, CSV, Oracle or DB2 database, and HTTP/HTML/XML text formats.
- **AUDIT**
  “Audit Trail” of database changes, database storage and backup, global time functions, calendar, central
- **SECURITY**
  Password protection and security using standard Java (on Windows platforms only) authentication and encryption techniques with optional security supported via an external LDAP connection
- **CONTROLLER**
  Supports multiple HAWK stations and EAGLE controllers connected to a local Ethernet network, or the Internet
- **HELP**
  HTML-based help system that includes comprehensive on-line system documentation
- **VERSIONS**
  Different “Small Building System” versions are available for up to five and up to ten HAWKs and /or EAGLE controller
- **BACNET**
  BACnet OWS and AWS certified version available

PLATFORM REQUIREMENTS

Processor	Intel Pentium™ IV, 2 GHz or higher, Core 2 Duo also acceptable
Operating System	• Windows XP Professional (SP3, 32-bit) Windows Server 2012 Standard/Enterprise (SP2, 64-bit) (R2 as well) • Windows 7 Professional/Enterprise/Ultimate (32-bit and 64 bit) • Windows 8 Professional/Enterprise/Ultimate (32-bit and 64 bit) Windows 8.1 Professional/Enterprise/Ultimate (64-bit) • VMware - ESXi 5.1.0 • Microsoft Virtual Server 2008
Memory	1 GB minimum 2 GB recommended for large systems, 8 GB or more recommended for Win 64 bit version

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Hard Drive	1 GB minimum 5 GB for applications that need more archiving capacity
Display	Video card and monitor capable of displaying 1024 x 768 pixel resolution or greater
Network Support	Ethernet adapter (10/100 Mb with RJ-45 connector)
Connectivity	Full time high speed ISP connection recommended for remote site access (i.e. T1, ADSL, cable modem)

WHAT TO ORDER

ARENA^{AX} order numbers:

CLAXARENA	ARENA^{AX}
CLAXARENAAPC	Alarm Portal
CLAXARENASBS01	Single Station version with a limit of 1 HAWK (supports only 500 points for add-on drivers, not BACnet certified)
CLAXARENASBS05	BACnet OWS certified Small Building System version with a limit of 5 HAWKs and 5 EAGLEs
CLAXARENASBS10	Small Building System version with a limit of 10 HAWKs and 10 EAGLEs (not BACnet certified, BACnet certification can be achieved by adding CLAXDRBACOWS)

Optional ARENA^{AX} database drivers for external database applications:

CLAXDBSQL	MS-SQL Database driver
CLAXDBMYSQL	MYSQL Database driver
CLAXDBCSV	CSV Server driver
CLAXDBDB2	DB2 Database driver
CLAXDBORCL	Oracle Database driver

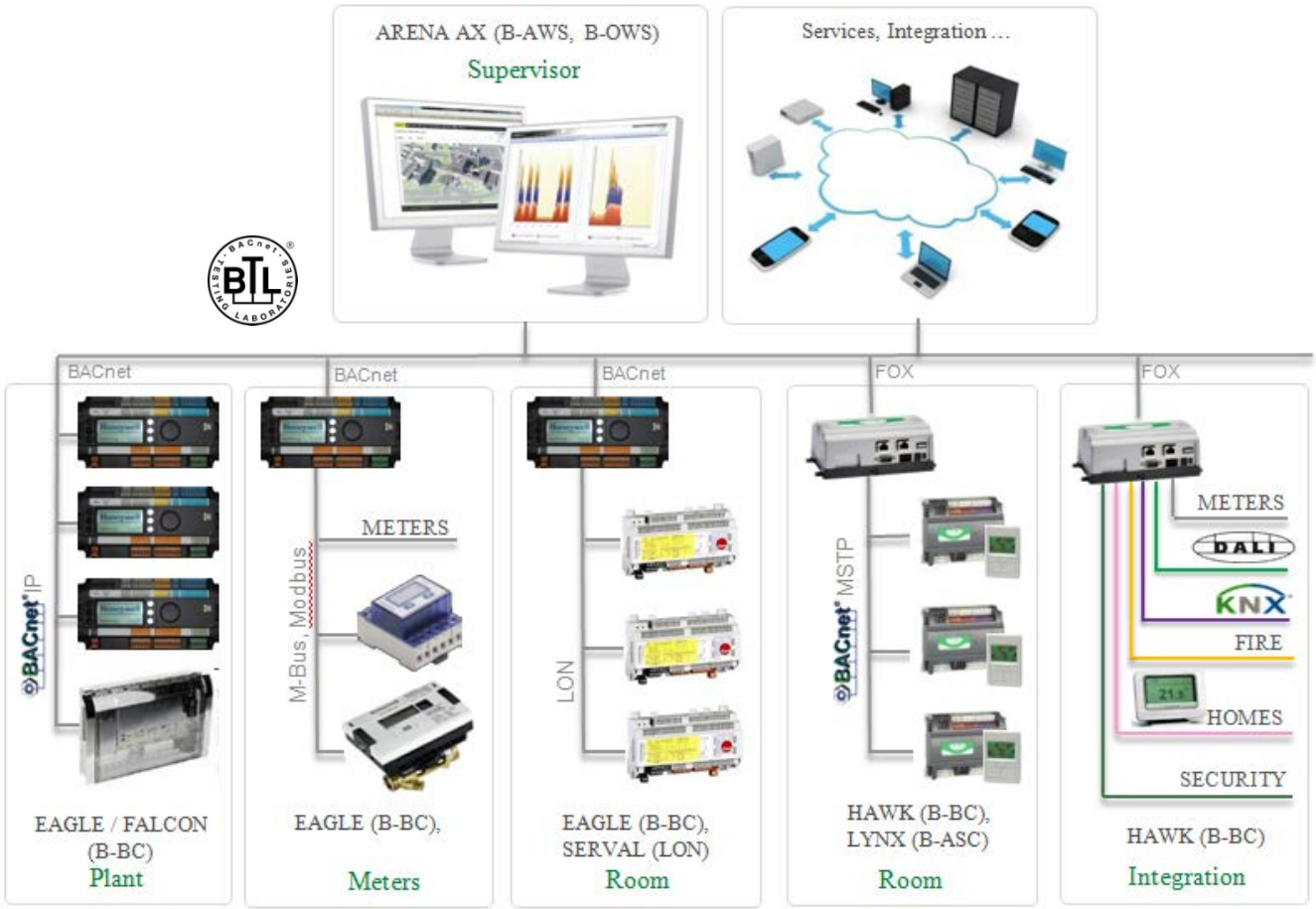
ARENA^{AX} upgrades:

CLAXARENARUP	Upgrade to latest Niagara version
CLAXARENASBSU5	Upgrade SBS05 to SBS10
CLAXARENASBSUP	Upgrade SBS10 to Full ARENAAX

Optional ARENA^{AX} open system drivers:

CLAXDRBACOWS	BACnet Operator Workstation includes 500 points for ARENA AX
CLAXDRBACAWS	Additional BACnet AWS feature
CLAXDRBACEXP	Additional BACnet Server Export feature
CLAXDRBAC500	Additional 500 BACnet points
CLAXDREIB	EIB-IP driver with 500 points
CLAXDREIB500	Driver with additional 500 EIP-IP driver points
CLAXDRLONIP	LONIP driver with 500 points
CLAXDRLONIP500	Driver with additional 500 LONIP points
CLAXDRMTCP	Modbus driver TCP with 500 points
CLAXDRMTCP500	Driver with additional 500 ModbusTCP points
CLAXDROBX	oBIX driver with 500 points
CLAXDROBX500	Driver with additional 500 oBIX points
CLAXDROPC	OPC driver with 500 points
CLAXDROPC500	Driver with additional 500 OPC points
CLAXDRSNMP	SNMP driver with 500 SNMP points
CLAXDRSNMP500	Driver with additional 500 SNMP points
CLAXARENAAXI	Axis Cameras video driver 16 Cameras
CLAXARENAAXI4	Additional 4 Cameras Axis video driver
CLAXARENADED	Ded. Micros NetVu DVR driver 16 Cameras
CLAXARENADED4	Add 4 Cameras Ded. Micros NetVu DVR video driver
CLAXARENAHRE	Honeywel RapidEye NVM video driver 16 Cameras
CLAXARENAHRE4	Additional 4 Cameras Honeywel RapidEye NVM video driver
CLAXARENAMIL	Milestone NVM video driver 16 Cameras
CLAXARENAMIL4	Add 4 Cameras Milestone NVM video driver

ARCHITECTURE



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