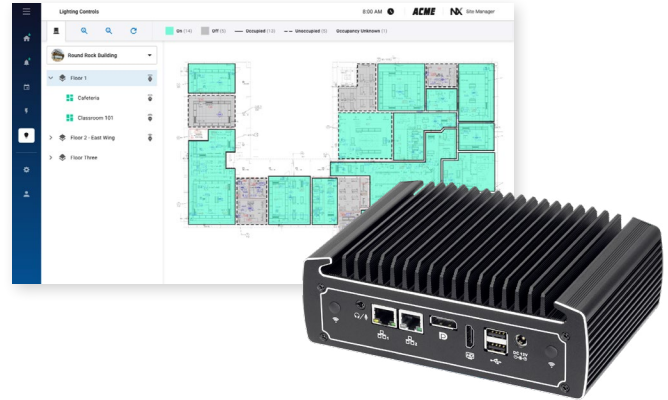


NXAC2 SERIES

NX AREA CONTROLLER V2 WITH NX SITE MANAGER

FEATURES

- NX Site Manager - Intuitive, easy to use Graphical User Interface provides real-time programming & management of the NX Lighting Control System
- No software required - built-in web server provides connection via any Internet Explorer® compatible browser
- NX Site Manager Adapters facilitate the expansion of the NX Network and the number of devices supported
- Integrates NX Lighting Control System and Building Automation System (BAS) via BACnet IP. BTL Listed.
- Multi-layer network security and access control including HTTP or HTTPS connections, secure user logins and user roles
- View status and control lighting zones on imported floor plans (Optional)
- Optional Energy Dashboard facilitates power/energy monitoring of a building's NX-controlled lighting system
- Optional Space Utilization Module provides graphical view of how spaces are being occupied over a selected period of time
- Ability to connect via cellular for remote diagnostics and management



RELATED PRODUCTS

- [NX Room Controllers](#)
- [NX Fixture Modules](#)
- [NX Lighting Control Panels](#)
- [NX Network Bridge Modules](#)
- [NX SMP2 Sensors](#)
- [NX Switch Stations](#)



SPECIFICATIONS

CONSTRUCTION

- Design: Solid State – No moving parts
- CPU: Intel(R) i7 (-SM); Intel(R) i3 (-SMA)
- Memory: 16 GB (-SM); 8 GB (-SMA)
- Storage: 500 GB (-SM); 128 GB (-SMA)
- Front I/O:
 - 1x Power Switch
 - 4x USB 2.0 Ports
 - 2x RS232 Ports
 - 1x LTE Modem / Wi-Fi Switch
 - 1x Wi-Fi Antenna Port
- Rear I/O:
 - 2x Intel® 10/100/1000 NICs (1 Ethernet Network / 1 NX Network)
 - 12VDC In
 - 2x SMA LTE Antenna Ports
 - 1x DisplayPort
 - 1x HDMI Port
 - 2x USB 3.0 Ports
- Size: 7.32"W x 2.6"H x 4.9"D (186mm x 66mm x 126mm)
- Weight: 2.9LB (1.31KG)
- Housing Color: Black

INSTALLATION

- Mounting: DIN rail mounted (DIN rail included)
- Operating Temperature: 32°F to 104°F (0°C to 40°)
- Relative Humidity: 0 to 95% non-condensing

ELECTRICAL

- Power Supply: Input: 120-240VAC; 50/60Hz; 1.5A AC Adapter (Included)
- Output: +12VDC 7.5A 90W
- Size: 5.25"L x 2.25"W x 1.25"D (133mm x 57mm x 32mm)

ETHERNET CONNECTIVITY

- WAN Port: 10/100/1000Mbps; Connects to owner-provided I/P network; Supports DHCP or Static IP (Configured using NX Area Controller Software)
- LAN Port: 10/100/1000Mbps; Connects to NX Network; Used for discovery and management of NX devices
- Wireless: IEEE 802.11b/g/n, including repeater mode
- Security: WPA2 Enterprise
- Wi-Fi Client: Not supported

REMOTE CONNECTION

- Antenna Cables:
 - 2x 10ft antenna cables with magnetic mount
 - 2x Metal wall mount L-brackets
- Antennas: 2x High-gain LTE Antennas, 11.5" (292mm)
- Mobile:
 - 4G LTE – Up to 150Mbps
 - 3G – Up to 42Mbps
 - 2G – Up to 236.8kbps
- Cellular Networks Supported: United States and Canada
- Modem Switch: Remote cellular and Wi-Fi radios can be physically turned off with LTE modem switch located on front I/O panel
- Connection Plan: Remote support via Remote Connect is enabled at installation and includes an initial 12-month cellular connectivity plan. For extended periods of connectivity, supplemental plans can be purchased at any time.
- Remote connectivity provides connected assistance from NX Lighting Control Experts
- Eliminates costly technician dispatches and enables faster support response times
- Keeps system performance optimized via remote comprehensive programming, sustainment and preventive maintenance support
- NOTE: NX Systems continue to operate when remote connectivity is manually turned off or when a connectivity plan is inactive

NETWORK SECURITY

- Encryption: Traffic between user and cloud service is protected using AES encryption
- Remote Connection traffic between the NX Area Controller and cloud service is protected using AES encryption
- NX Area Controller Remote Connect Cloud Portal is protected using SSL encryption
- Attack Prevention: IT administrators may request a list of required public IP's and Ports that are necessary for access, significantly reducing attack vectors
- Firewall: Pre-configured firewall
- Port Scan: DDOS and port scan prevention
- Access control: Userid/Password
- Certification: ioXT
- Complies with California Civil Code Title 1.81.26, Security of Connected Devices, approved under Senate Bill No. 327 (2018)

COMMUNICATIONS:

- Ethernet Connection Speed: 10/100/1000Mbps
- Addressing: IPv4 or Hostname
- BACnet Profile(s): BACnet General (B-GENERAL), BACnet Application Specific Controller (B-ASC)
- BACnet Interconnectivity: BBMD forwarding capabilities; BACnet I/P
- BACnet Transport Layer: IP
- Web Server Protocol: HTML5
- Wi-Fi Communication Protocol: IEEE 802.11b/g/n

WARRANTY

- 5 year limited warranty
- See website for additional information

¹ BACnet is a registered trademark of ASHRAE. ASRAE does not endorse, approve or test products for compliance with ASHRAE standards. Compliance of listed products to the requirements of ASHRAE Standard 135 is the responsibility of BACnet International (BI). BTL is a registered trademark of BI.

NXAC SERIES

NX AREA CONTROLLER V2 WITH NX SITE MANAGER

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

NX SITE MANAGER

- NX Site Manager is a web-based Graphical User Interface (GUI) application for the NX Lighting Control System providing multiple modes of operation, improved facility, user and device management, facility-wide view of schedules, alarms & notifications, and a BACnet/IP interface for connecting to third-party Building Management Systems. NX Site Manager also provides optional add-on applications/features including floor plans with zone status/control, an energy dashboard, and space utilization
- NX Site Manager Adapters provide the ability to expand the NX Network by supporting up to 1000 additional NX Devices per Adapter. Adapters communicate securely to the Site Manager Enterprise Server over an IP network. Adapters may be placed at different locations at a site (e.g., on each floor of a building). NOTE: The Site Manager Enterprise Server includes an embedded Adapter or it can be configured to use remote Adapter(s).
- Enables the configuration of client and site information
- Provides user account management including user roles (e.g., System Administrator, Facility Manager, General User) and role permissions
- Includes an embedded, field configurable BACnet IP server for integration of the NX Lighting Controls System to a Building Management System (BMS)
- Supports multiple NX device discovery modes including a Quick Discover mode for verifying all NX devices are connected to the NX Network prior to doing a Full Discovery.
- Enables configuration of device information and settings, including emergency mode device settings, scheduled-based and companion zone occupancy levels, and 2-zone daylight harvesting modes
- Supports multiple device functions including winking a device to locate it within a facility, resyncing a device, swapping devices, setting active/inactive times, and device decommissioning
- Customizable reports - Create and export custom reports with selectable and filterable report headings. System reports include:
 - Zone Summary
 - Device Summary
 - Relay Summary
 - Dimmer Summary
 - CCT Summary
 - In-Fixture Module Summary
 - Occupancy Sensor Summary
 - Photocell Sensor Summary
 - Switch Station Summary
 - Power Input
 - Device Firmware Versions
 - Actuator Schedules
 - BACnet Objects Summary
- Alarms / Notifications - Receive notifications of system alarms via e-mail
- Supports up to 10 Demand Response levels per Zone
- View/Modify all zone schedules in an easy-to-use calendar that supports multiple viewing modes.
- Create device and schedule profiles and apply to multiple zones
- Secure REST APIs for 3rd Party integration
- (OPTIONAL) Floor Plan Module - Import floor plan images (jpg, png, svg and pdf) and view status & control entire zones from the floor plan
- (OPTIONAL) Energy Dashboard Module - View lighting energy usage and costs, for a building, area or zone, in easy to read graphs.
- (OPTIONAL) Space Utilization Module - Graphically view how spaces are being occupied over a timeline

ORDERING GUIDE

Example: NXAC2-120-SM

CATALOG #

NXAC2

Model

NXAC2-120-SM	NX Area Controller V2 w/NX Site Manager, NX Network, BACnet/IP, Remote Connect, 120V
NXAC2-120-SMA	NX Area Controller V2 w/NX Site Manager Adapter, NX Network, Remote Connect, 120V
NXAC2-120-SM-LK-FP	NX Site Manager License Key, Basic Floor Plan Module*
NXAC2-120-SM-LK-ED	NX Site Manager License Key, Energy Dashboard Module*
NXAC2-120-SM-LK-SU	NX Site Manager License Key, Space Utilization Module*

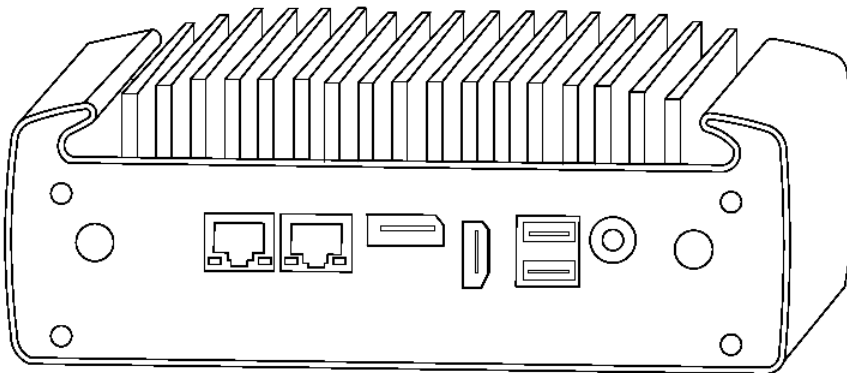
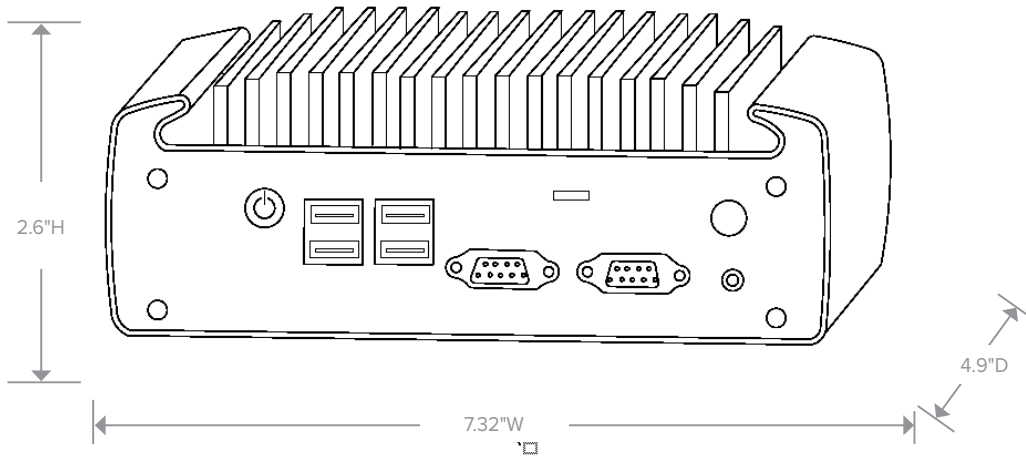
* License key activation and feature configuration requires Internet access to Licensing Portal

NXAC SERIES

NX AREA CONTROLLER V2

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

DIMENSIONS



NXAC SERIES

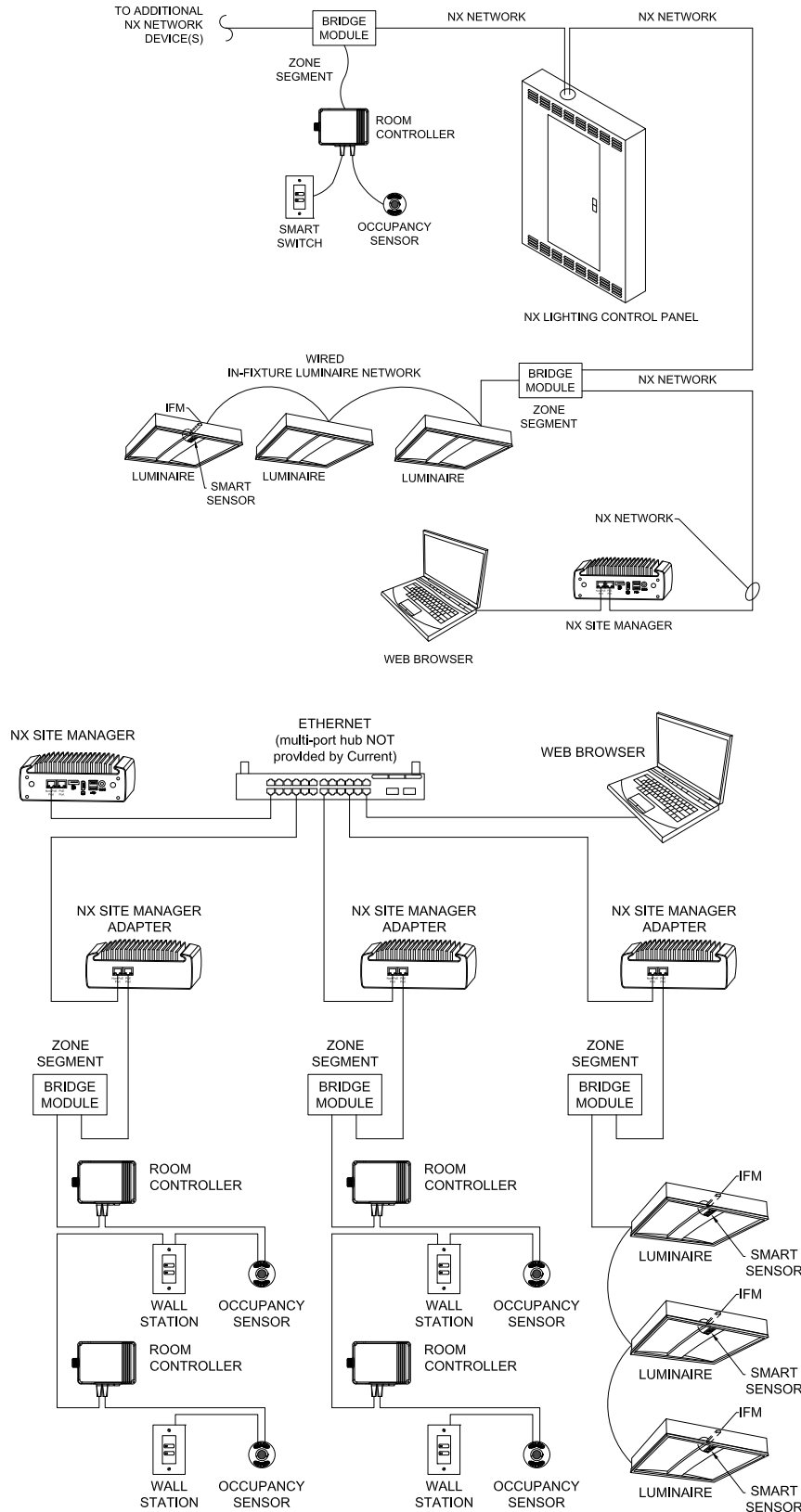
NX AREA CONTROLLER V2

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

ADDITIONAL INFORMATION

Wiring Diagrams

WIRED NETWORK



NXAC SERIES

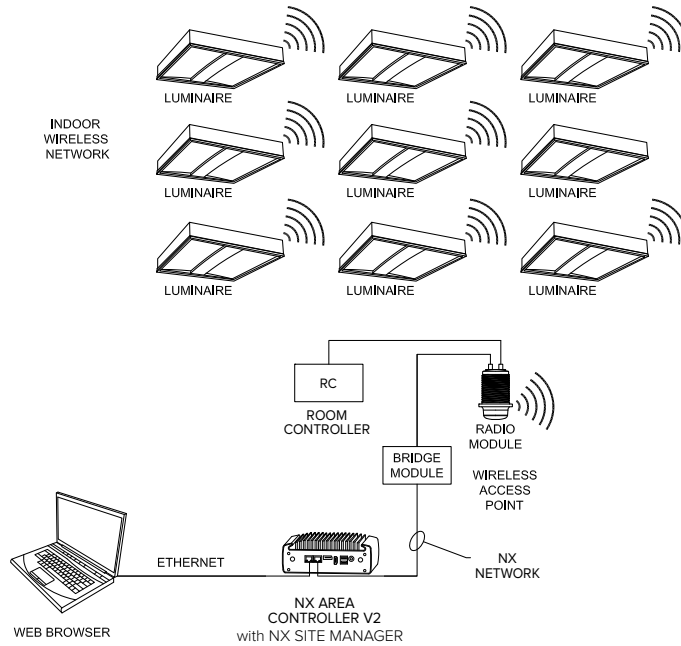
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TYPE:	PROJECT:
CATALOG #:	

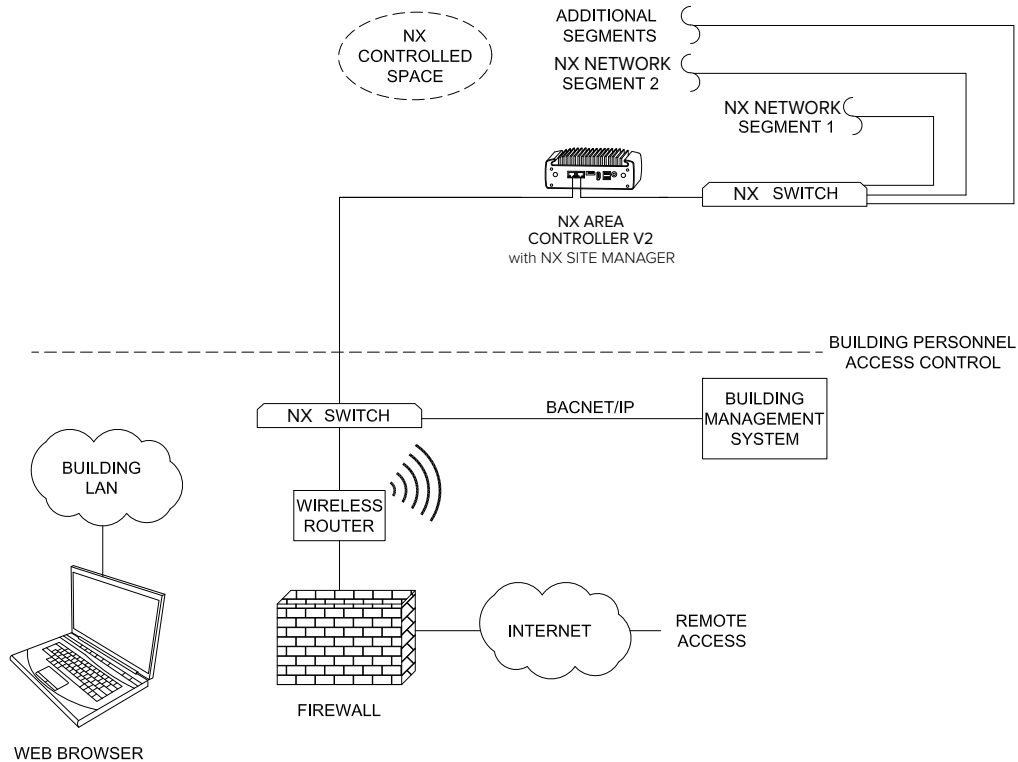
ADDITIONAL INFORMATION (CONTINUED)

Wiring Diagrams (Continued)

WIRELESS NETWORK

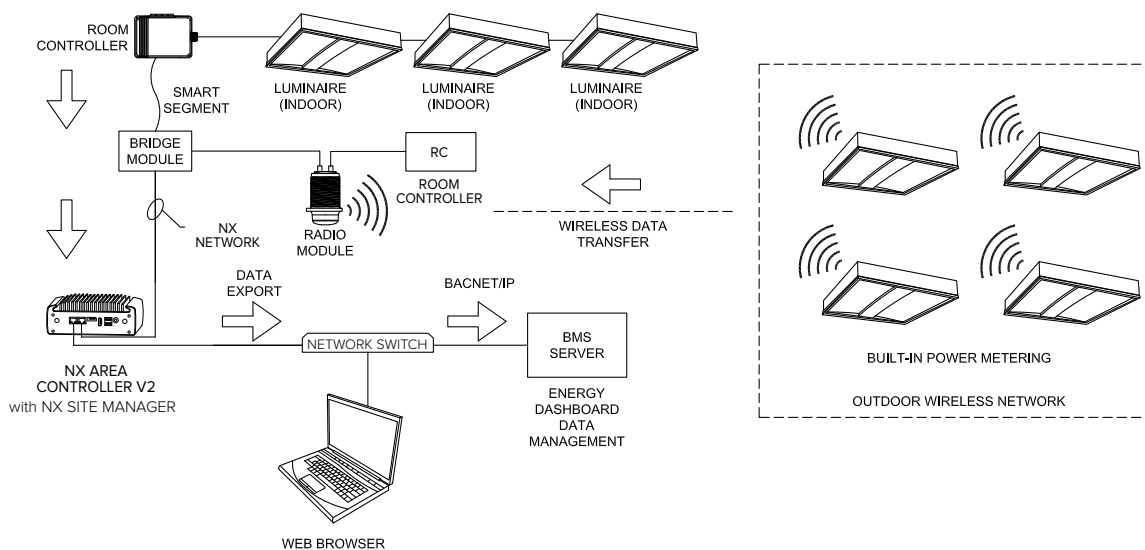


NETWORK ACCESS AND MANAGEMENT



Wiring Diagrams (Continued)

ENERGY MONITORING AND MANAGEMENT



REMOTE NETWORK ACCESS MANAGEMENT

