

OVERVIEW

The XPoint Wireless Bridge provides a link between an XPoint Wireless network and SensorView to enable monitoring and configuration of wireless devices on the network. In addition, the XPoint Wireless Bridge communicates with an nLight Gateway (nGWY2) to support system-wide controls such as scheduling, system profiles, master overrides, and BMS integration. The XPoint Wireless Bridge communicates with SensorView and/or an nLight backbone over a local area network (LAN) and presents itself as a bridge device with one or multiple virtual bridge ports that support up to 250 total associated XPoint Wireless devices per bridge. Virtual bridge ports, which are associated with XPoint Wireless luminaires and devices via SensorView, provide a simple interface for organizing device locations and configuring zone behavior.

The XPoint Wireless Bridge is required for XPoint Wireless controls systems. The XPoint Wireless Bridge manages XPoint Wireless network, provides a way to connect to XPoint Wireless devices through the SensorView Commissioning tool, and it can provide a link to the nLight backbone.

Wireless data transmission is secured by encrypting a message using 128-bit Advanced Encryption Standard (AES).

FEATURES

- 10/100 Ethernet port RJ45 connector for connection to a LAN IP network
- Ability to be powered by any standard wall 120 VAC outlet or power over Ethernet (PoE)
- Optional IEEE 802.3af PoE adapter for use with standard PoE switches
- LED indicators show status of Bridge and communication
- Support for up to 250 wireless devices

Warranty

Five-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.
 Specifications subject to change without notice.



XPoint™ Wireless

XPoint™ Wireless
Bridge



This item is an A+ capable component, which has been designed and tested to provide out-of-the-box luminaire compatibility with simple commissioning, when included as part of an A+ Certified™ Solution. To learn more about A+, visit www.acuitybrands.com/aplus.



ORDERING INFORMATION

Example: XPA BRG POE

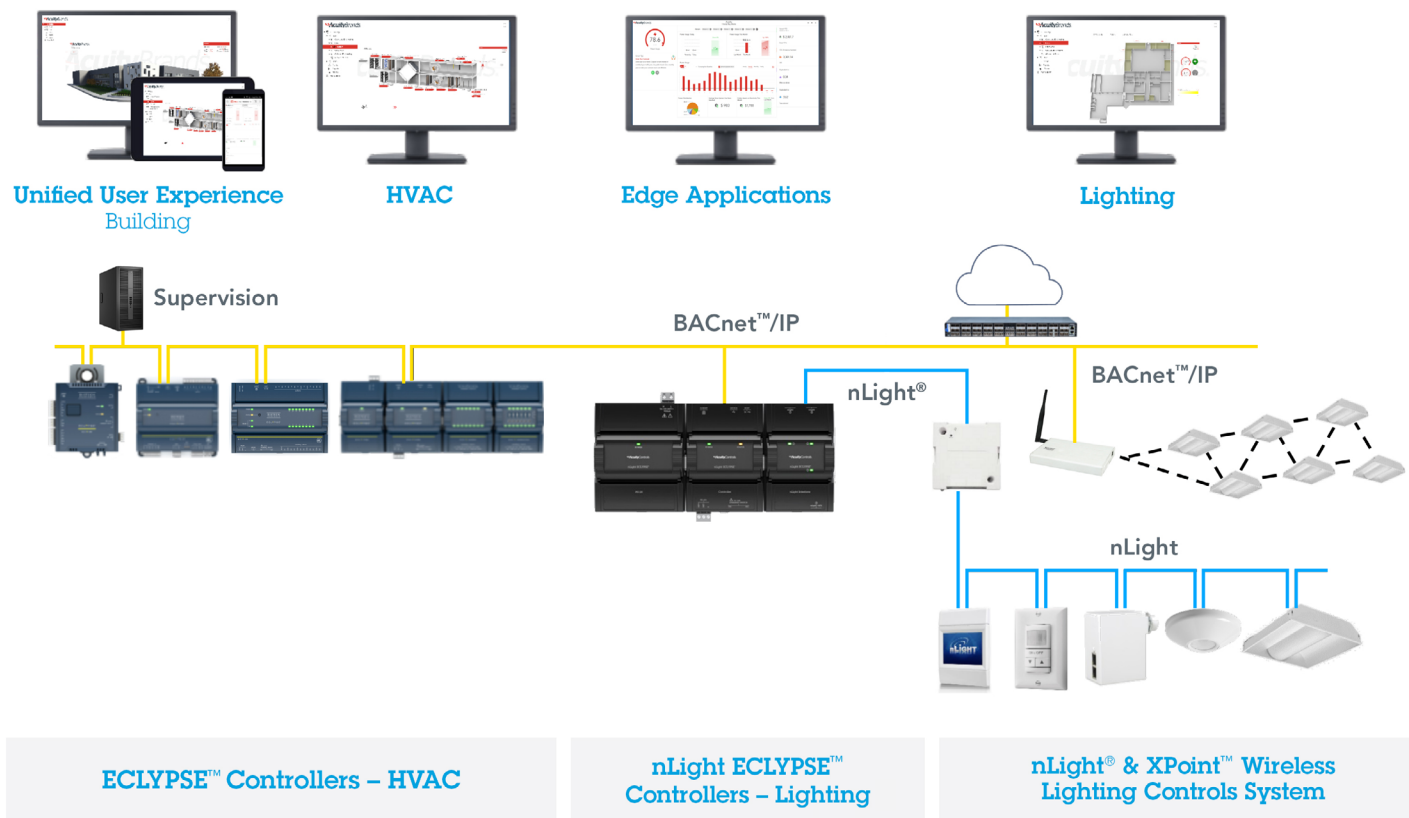
XPA			
System Type	Bridge	Enclosure	
XPA XPoint Wireless	BRG Wireless Bridge	[blank]	Standard indoor model
	BRG POE includes 802.3 af adapter for PoE	WPE	Bridge in waterproof enclosure
		WPE HTR	Bridge in waterproof enclosure with heater

SPECIFICATIONS

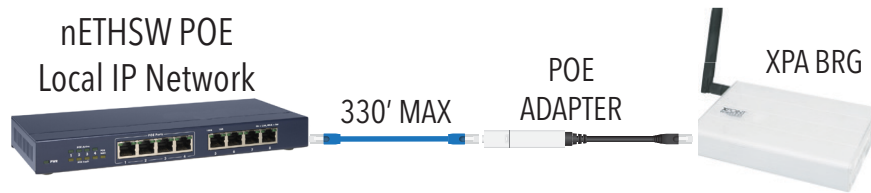
Dimensions:	6.5" w x 4.44" h x 1.18" d
Power supply inputs:	12-18 VDC, 6 Watts peak, 120 VAC included with AC wall adapter
Max. humidity:	5 - 95%, non-condensing
Operating environment:	32° to 122° F (0° - 50° C), dry location (for parking garages, mount inside a non-metallic waterproof enclosure)
Wireless protocol:	Adura (2.4 GHz)
RF transmission output power:	+18 dBm
Recommended wireless spacing:	30' to/from enclosed XPoint Wireless device (e.g., controller internally mounted in luminaire) 60' to/from un-enclosed XPoint Wireless device (e.g., sensor externally mounted to luminaire) Consult with factory to request approval for longer spacings as performance varies with site conditions.
WPE dimensions:	13.5" W x 15.5" h x 7.7" d
WPE ratings:	IP66, NEMA Type 4/4x, UL94-5V material.
WPE connections:	Terminal block for 120VAC connection
WPE HTR specifications:	200W heater rating; turns on below 40F +/- 7°, turns off above 60F +/- 5°

SYSTEM ARCHITECTURE

nLight and XPoint Wireless networked luminaires and controls can work together in an nLight system backbone. The nLight system backbone (through one or more nGWY2 devices) provides both nLight and XPoint Wireless devices with schedule management and software programming interface. The backbone also provides support for system-wide controls such as master override switches, automated demand response, and BACnet integration. In this architecture, the XPoint Wireless Bridge presents itself as a bridge device with one or multiple virtual bridge ports that support up to 250 total associated XPoint Wireless devices per bridge. Virtual bridge ports, which are associated with XPoint Wireless luminaires and devices via SensorView, provide a simple interface for organizing device locations and configuring zone behavior. When combining nLight and XPoint Wireless under nGWY2, the main rules of the nLight backbone will apply: up to 1500 total devices per nGWY2 (nLight or XPoint Wireless), and up to 128 global channels for the entire system.



XPA BRG POE WIRING DIAGRAM



WPE DIMENSIONS AND MOUNTING DETAILS

