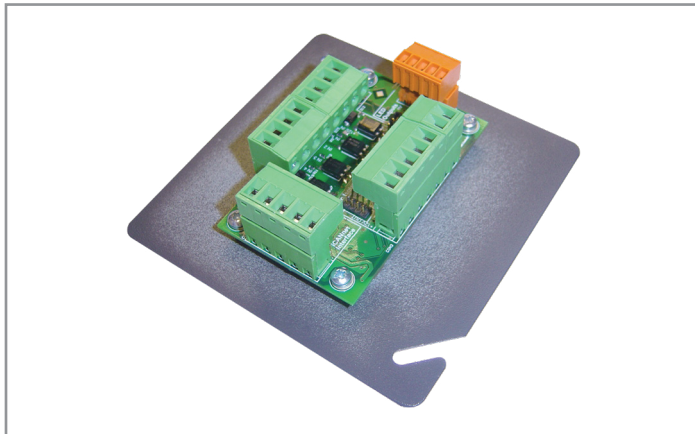


Project		Catalog #		Type	
Prepared by		Notes		Date	



WaveLinx Wired

UIG-2-NA

Universal Interface Module

Typical Applications

Office • Education • Healthcare • Hospitality • Retail

Interactive Menu

- Order Information page 2
- Additional Resources page 3
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- Product Warranty

Product Certification



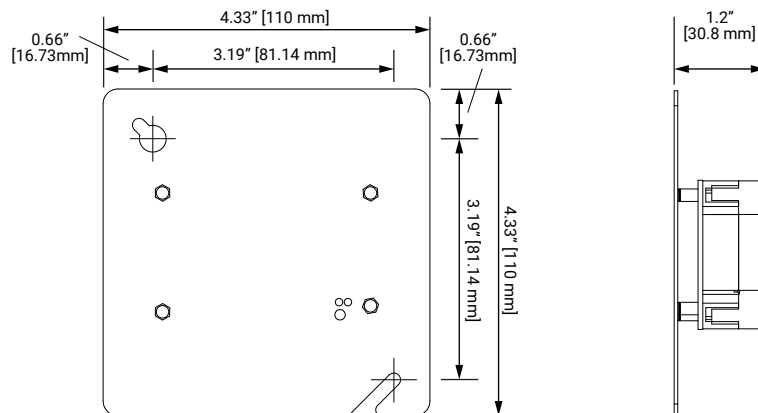
Product Features



Top Product Features

- 4 digital optically-isolated inputs
- 4 inputs switchable for digital or analog inputs
- 4 LED outputs to drive remote LEDs
- Fits a standard 4" x 4" junction box (not provided)

Dimensional Details



Order Information

Catalog Number

Catalog Number	Description
UIG-2-NA	Universal interface module

Product Specifications

Key Features

- 4 digital optically-isolated inputs
 - Offers improved performance in electrically noisy environments
 - Integral 12 Vdc current limited supply available where an external supply is not required
- 4 inputs switchable from iCANsoft for digital or analog inputs
 - Digital mode, non optically-isolated inputs
 - Analog mode, suitable for analog inputs such as rotary and linear variable resistors
 - 5 Vdc and 12 Vdc current limited (50mA total) regulated supplies available for current sourcing
- 4 LED outputs to drive remote LEDs
 - Indicate input selection when opto-isolated inputs are configured for scene selection
 - Can also be configured from iCANsoft for indication of other functions

Mechanical

Size: 4.33" x 4.33" x 1.2" (110mm x 110mm x 30.8mm)

Environment:

- **Operating temperature:** 32°F to 104°F (0°C - 40°C)
- **Relative humidity:** 0% - 95% non-condensing

Mounting: Fits a standard 4" x 4" junction box (not provided)

Electrical

Power supply: 12 Vdc via the iCANnet network

iCANnet connection:

- Screw terminals within two part connectors
- Able to accept 16 AWG (1.5mm²) stranded or solid wire

Inputs:

- Screw terminals within two part connectors
- Able to accept 16 AWG (1.5mm²) stranded or solid wire

LED outputs:

- Screw terminals within two part connectors
- Able to accept 16 AWG (1.5mm²) stranded or solid wire

Standards/Ratings

- cULus Listed
- CE compliant to all relevant standards

Product Safety:

- CAN/CSA-C22.2 No. 60950-1

Warranty

Consult website for warranty information

Overview

The Universal Interface provides a cost effective interface between an iLumin system, and other control systems, or external devices. Fitting in a standard 4" x 4" junction box and powered through the CAN network this compact versatile unit can be mounted virtually anywhere. It has four optically-isolated digital inputs and a further 4 inputs that can be configured for either digital or analog inputs, all programmable as to their function. In addition to the inputs there are four LED output drives for visual feedback of switch activity.

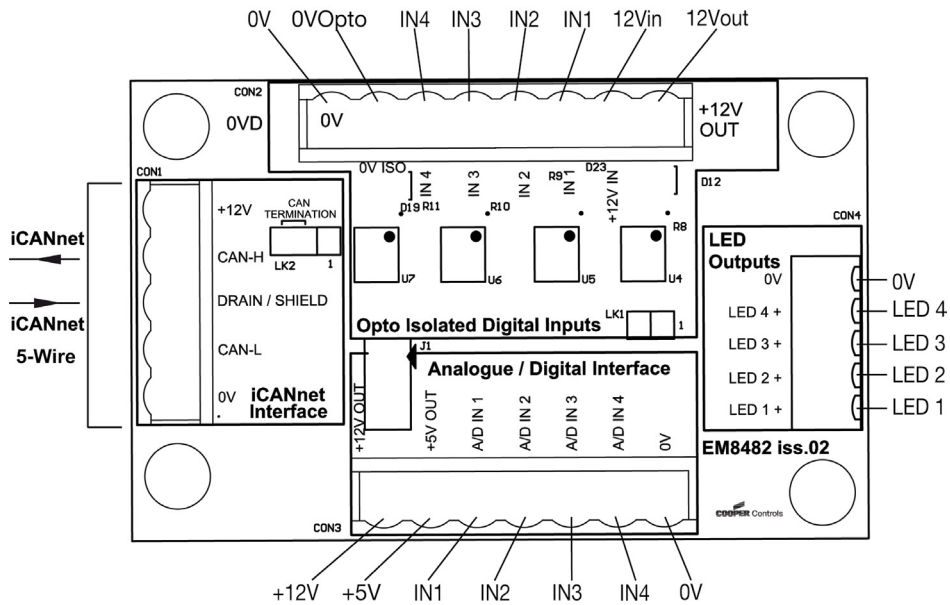
The UIG-2-NA can be programmed to perform partitioning functions in the iLumin network. When used in a partitioning application, one UIG-2-NA can support up to four different zones. Each zone can contain up to 3 partitions (4 consecutive rooms).*

*For partitioning needs beyond four consecutive rooms, or partition spaces containing motion sensors; add the SI-2-NA-CP. Please contact your assigned inside sales team member for additional information.

**Wiring from UIG-2-NA to connected input devices should not exceed 32 feet.

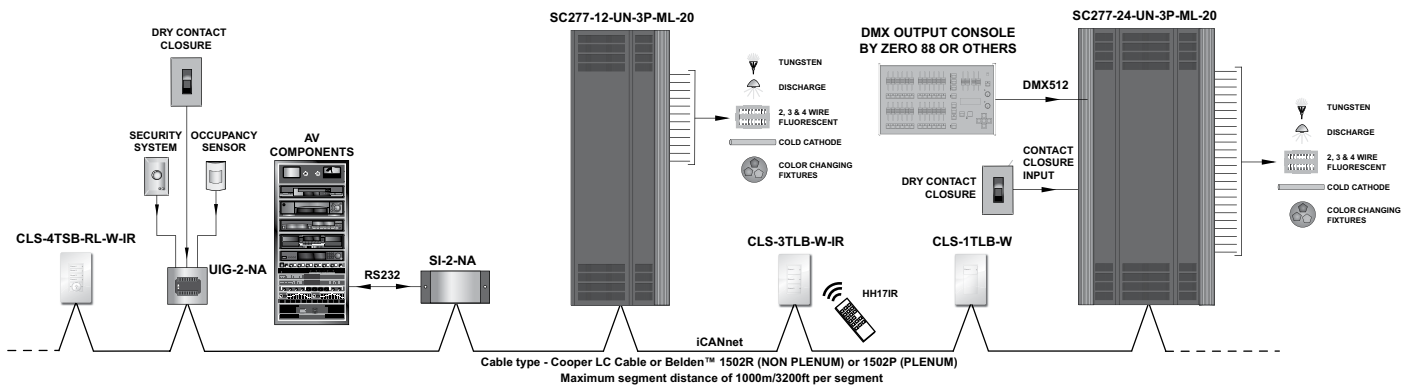
**Devices such as occupancy sensors may require Switchpacks for proper operation.

Wiring Details



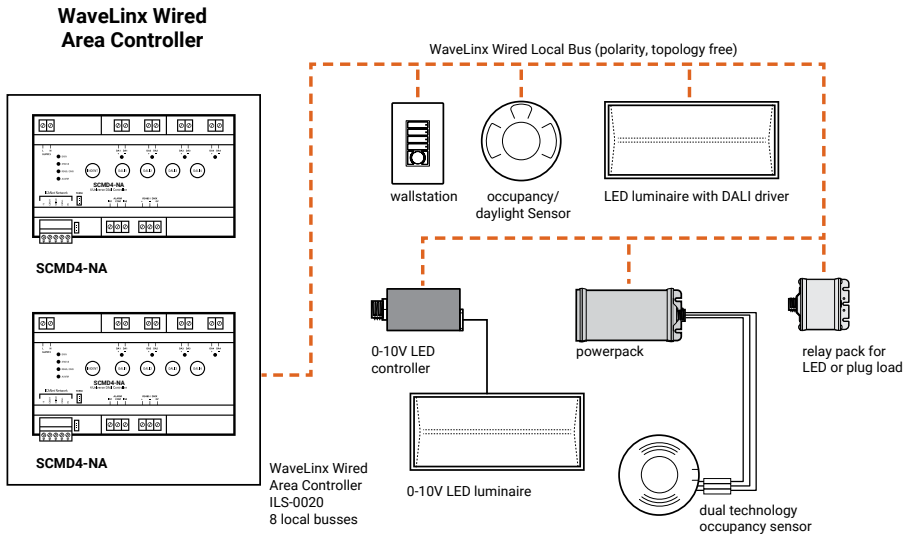
iCANnet cable type - Cooper LC Cable or Belden™ 1502R (NON PLENUM) or 1502P (PLENUM)
100 Devices per physical segment on iCANnet
(BN-2-NA can be added to combine more than 100 devices together, up to 65,000 total)

Sample System Topology

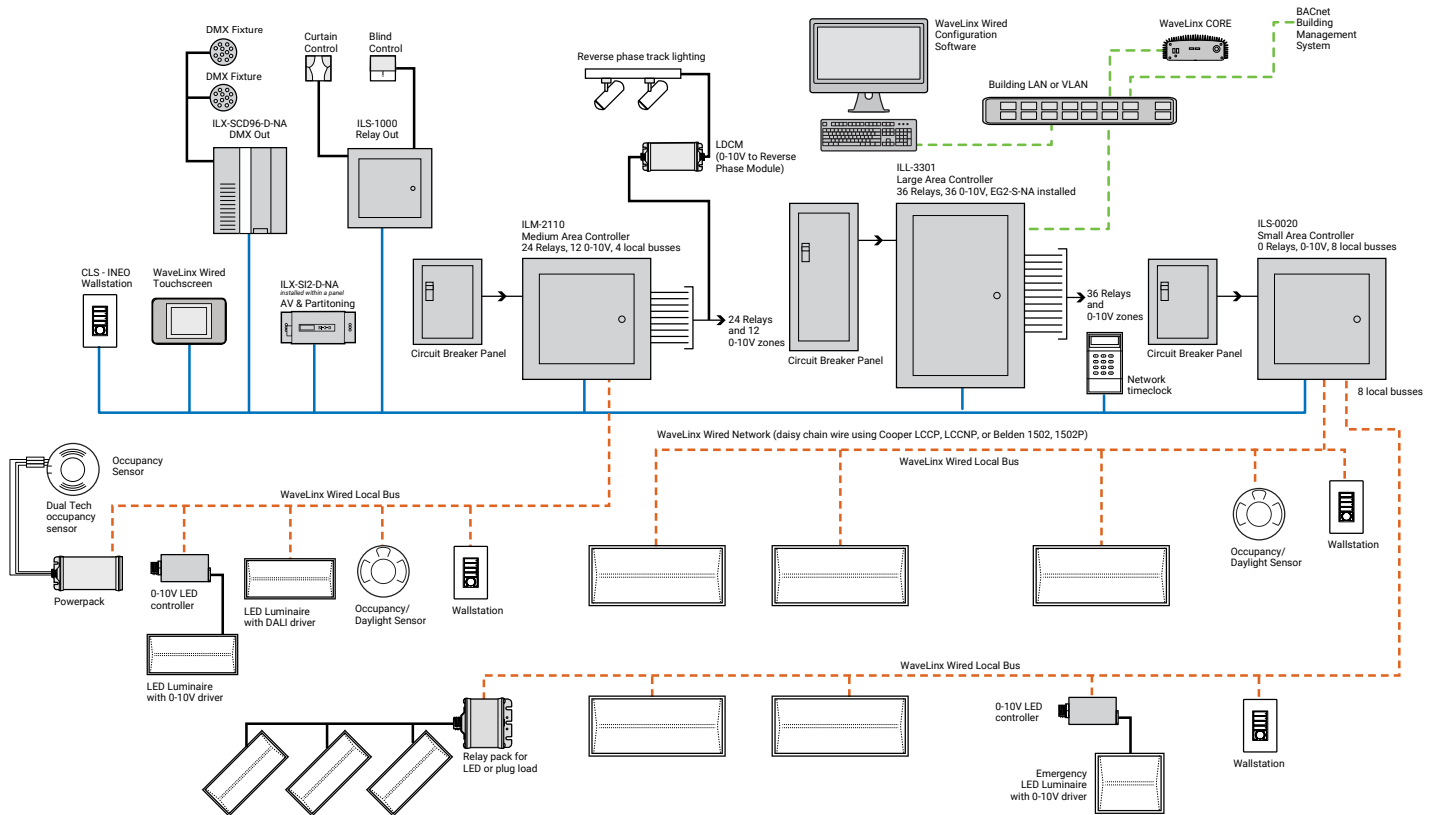


System architecture

Simple WaveLinX Wired system



Complete WaveLinX Wired system



Sample System Topology:

This diagram shows the main components of the WaveLinx wired and PRO wireless connected lighting system.

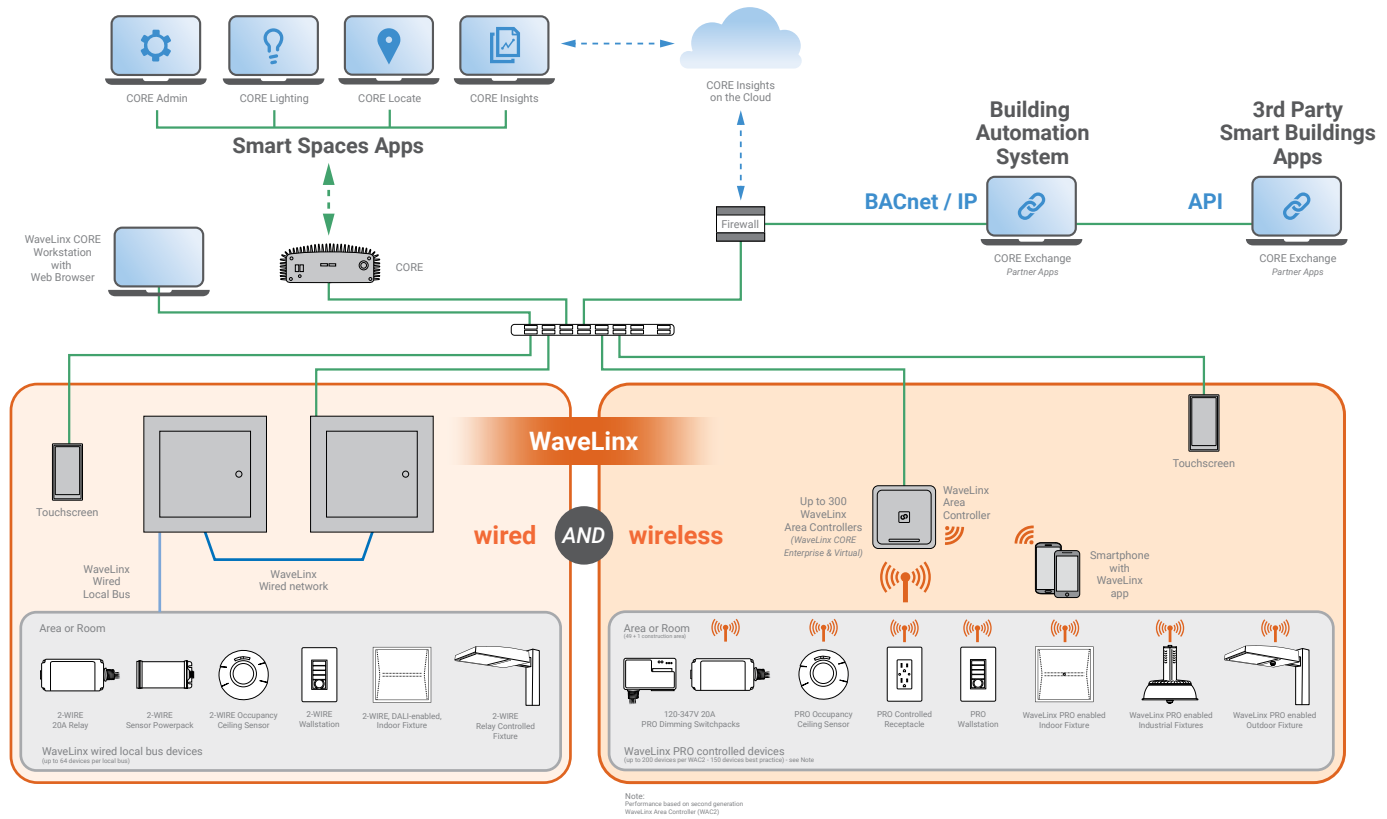
The **WaveLinx PRO wireless system** communicates using wireless mesh technology based on the IEEE 802.15.4 standard. A PoE LAN connection for each WaveLinx Area Controller (WAC) is required for power and data access to the building lighting network.

The **WaveLinx wired system** controls the devices using relay, 0-10V, DMX and the WaveLinx wired digital local bus. The WaveLinx wired system connects to the building LAN using the EG2 module. Each WaveLinx wired area controller communicates on the WaveLinx wired network.

WaveLinx Area Controllers (WAC) and WaveLinx Ethernet Gateways (EG2) communicate with WaveLinx CORE over the Ethernet network.

Please refer to the WaveLinx PRO Wireless Network and IT Guidance Technical Guide and WaveLinx Wired Network and IT Guidance Technical Guide for more information.

[View WaveLinx Network and IT Guidance Technical Guide](#)



- ### Control Systems
- WaveLinx
 - WaveLinx wired
 - VividTune