synapse

CENTRAL BASE STATION

Specification Data	
Job Name	
Type	
Catalog #	
Comments	

PRODUCT OVERVIEW

The Central Base Station site controller serves as the heart of your SimplySnap solution. This network edge appliance provides quick browser-based access and local control of smaller systems with hundreds of devices.

Each SimplySnap system includes a variety of Synapse-enabled devices that communicate with each other and the CBS to form a local mesh network. The CBS monitors, controls, and automates critical devices to save energy across different types of systems.

For managing larger sites or multiple locations, SimplySnap cloud applications[1] add advanced capabilities and consolidate multiple site controllers into a single user interface for integrated management across installations with thousands of devices.

KEY FEATURES:

- IP65 rated with built in surge protection
- Programmable push buttons for manual control
- Multiple Zones, Behaviors, Events, and Schedules
- Built in Wi-Fi for local wireless access
- Ethernet port and cellular for network connectivity
- AES 128-bit encryption
- Optional Cloud and Remote Access available[1]
- BMS and other system integration options
- Energy saving features to help meet regulations and qualify for rebates
- Energy management cloud applications[1] gather data from site controllers to generate energy reports about your facility and equipment

Enclosed Site Controller with 5-button switch

Product #	Description
CBSSW-450-002	SS450-based Model w/ 5-button switch
Cloud Features[1]	Cloud subscription for Color and other advanced options
Cellular Plans[1]	Cellular Service plans available

Dimensions	13.3 x 11.3 x 7.7” (336 x 286 x 196mm)
Input Power	Outdoor rated power supply 110-277VAC; 11W max, 6kV surge protection
Operating Environment	Outdoor rated at -40°C to +54°C, IP65 (when latched)
Cellular	Verizon 4G LTE
Wi-Fi	802.11 b/g/n
Radio	SNAP 2.4 GHz; 802.15.4 +20 dBm Transmit Power -105 dBm Receive Sensitivity
Certifications	FCC/IC UL 60730-1 CSA E60730-1 ROHS 3:2011/65/EU(2015/863)
Warranty[2]	5 Years

1. Cloud based features, cellular plans, and other applications sold separately, contact sales for details.
2. See www.synapsewireless.com/warranty for warranty terms

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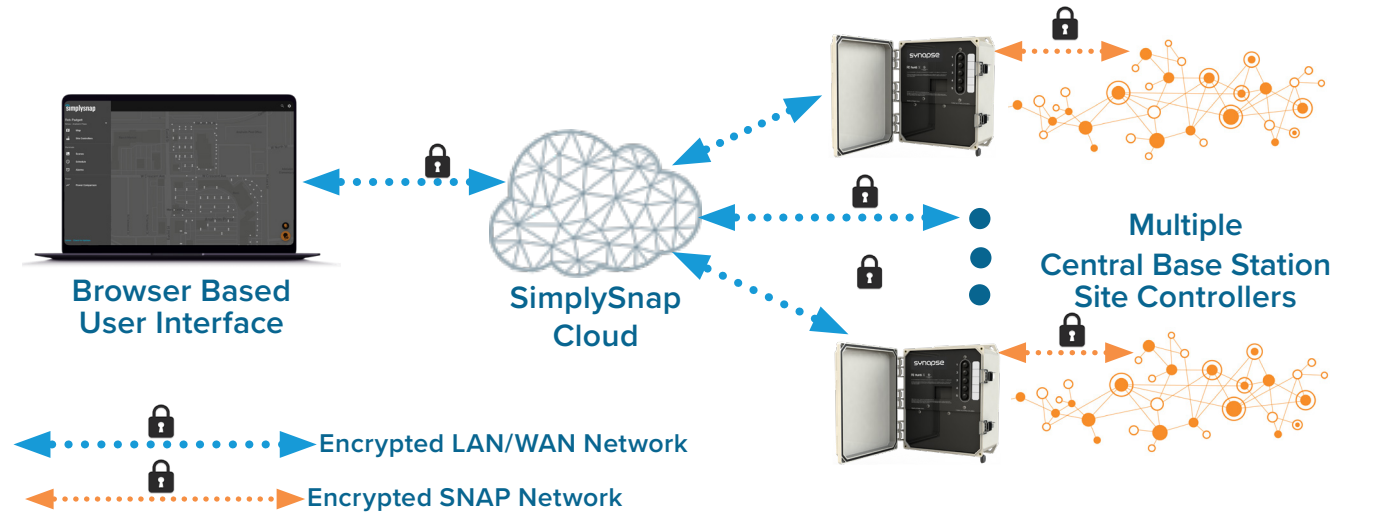
CENTRAL BASE STATION – HARDWARE AND SOFTWARE OPTIONS

- External Antenna Kits- 20, 30, and 50 foot options
- Cellular Service plans[1] available per gateway to add network connectivity
- SimplySnap cloud applications provide remote access and control with options for Dynamic Behaviors and Dynamic Behaviors with Colors.
  Please contact Sales or visit www.synapsewireless.com/documentation **for more details.**

SUPPORTED WIRELESS DEVICES:

- Embedded Lighting Controllers
- External Lighting Controllers
- Sensors - Photocell, Motion, Industrial, and Environmental
- Network Repeaters
- Hardware interface devices for control of HVAC systems and other equipment

SYSTEM DIAGRAMS:



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