SS450
SITE CONTROLLER

Specification Data	
Job Name	
Type	
Catalog #	
Comments	

PRODUCT OVERVIEW

The SS450 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 SS450 to form a local mesh network. The SS450 organizes devices into zones, creates schedules, and allows authorized users to access the system to change system behaviors or to interact directly with individual devices.

For managing larger sites or multiple locations, SimplySnap cloud applications[1] are available to consolidate multiple site controllers into a single user interface for fast and simple access across installations with thousands of devices.

KEY FEATURES:

- Multiple Zones, Behaviors, Events, and Schedules
- Built in Wi-Fi for local wireless access
- AES 128-bit encryption
- Optional Cloud and Remote Access services available[1]
- BMS and other system integration options
- Sunrise and Sunset Schedules driven by latitude and longitude
- Energy saving features including Daylight Harvesting and Demand Response
- Energy management cloud applications[1] gather data from site controllers to generate energy reports about your facility and equipment

Product #	Description
SS450-002	WiFi and Verizon 4G LTE enabled, wall mount bracket; 4 Antennas

Dimensions	6.8” L x 4.6” W x 1.4” H (173mm L x 117mm W x 36mm H) without antennas
Operating Environment[2]	-40°C to +70°C Indoor Use Only
Mounting	DIN rail or Wall Mounted
Input Power[2]	12-24VDC (via Barrel Connector or Terminal Block Connector) Includes 100-240VAC, 15W AC adapter
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	DLC, FCC, IC, cULus
Warranty[3]	5 Years

1. Cloud access and other applications sold separately, contact sales for details.
2. Included AC/DC supply is rated for indoor use only (0- 40°C). For outdoor use we recommend the Synapse Central Base Station - model CBSSW-450-002.
3.

SIMPLYSNAP SITE CONTROLLER

INCLUDED WITH THE SS450:

- 4 Antennas - 2 cellular antennas, 1 SNAP antenna, 1 WiFi antenna
- Wall mount bracket
- 1 Power Supply
- Terminal Block Connector (for alternate power connection)
- Quick Install Guide

OUTDOOR SITE CONTROLLER OPTION:

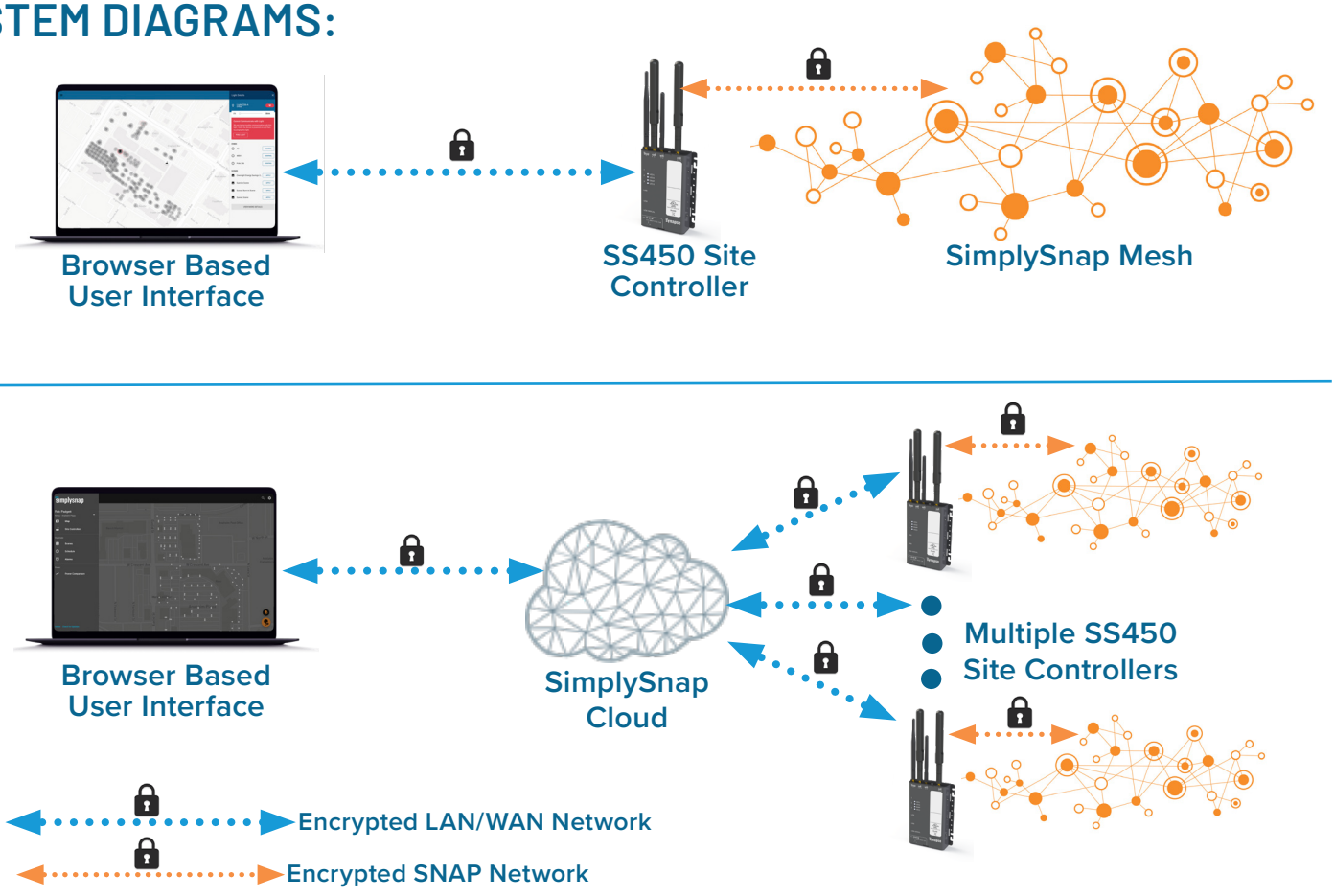
Part #	Description
CBSSW-450-002	Central Base Station SS450-based Model with 5-button switch and NEMA 4X enclosure

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:

SIMPLYSNAP SITE CONTROLLER



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