

Specification Data	
Job Name	
Type	
Catalog #	
Comments	

PRODUCT OVERVIEW

The SS420 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 SS420 to form a local mesh network. The SS420 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 applications¹ 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 available¹
- 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 applications¹ gather data from site controllers to generate energy reports about your facility and equipment



Product #	Description
SS420-002	WiFi, wall mount bracket; 2 Antennas

SPECIFICATIONS

Dimensions	6.8" L x 4.6" W x 1.4" H (173mm L x 117mm W x 36mm H) without antennas
Operating Environment²	-40°C to +70°C Indoor Use Only
Mounting	DIN rail or Wall Mounted
Input Power²	12-24VDC (via Barrel Connector or Terminal Block Connector) Includes 100-240VAC, 15W AC adapter
Ethernet	Single 10/100 Interface
WiFi	802.11 b/g/n
Radio	SNAP 2.4 GHz; 802.15.4 +20 dBm Transmit Power -105 dBm Receive Sensitivity
Certifications	DLC, CE, UKCA
Warranty³	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-420-CEE.
3. See www.synapsewireless.com/warranty for warranty terms

To learn more, call or visit:
synapsewireless.com
 (877) 982-7888



INCLUDED WITH THE SS420:

- 2 Antennas - 1 SNAP antenna, 1 WiFi antenna
- Wall mount bracket
- 1 AC Adapter with EU and UK plugs
- Terminal Block Connector

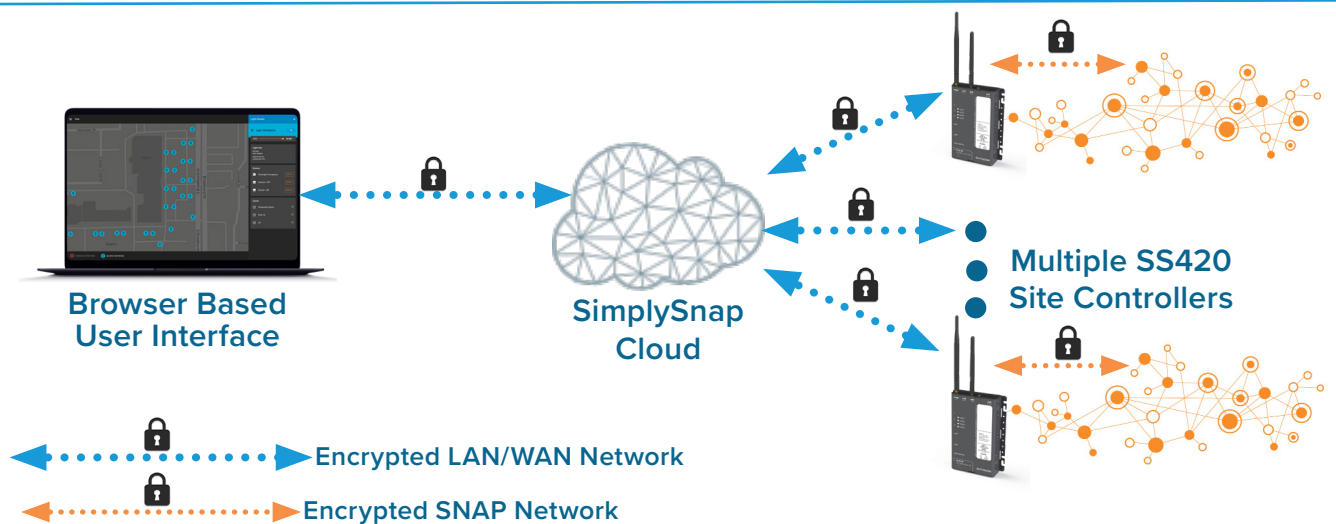
OUTDOOR SITE CONTROLLER OPTION:

Part #	Description
CBSSW-420-CEE	Central Base Station SS420-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

SYSTEM DIAGRAMS:



Patented – Virtual marking at <https://www.synapsewireless.com/about/patents>