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 monitors, controls, and automates critical devices to save energy across different types of systems.

For managing larger sites or multiple locations, SimplySNAP cloud applications¹ are available to consolidate multiple site controllers into a single user interface for integrated management across installations with thousands of devices.

Features
- 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 services available¹
- BMS and other system integration options
- Energy saving features to help meet regulations and qualify for rebates
- Energy management cloud applications¹ gather data from site controllers to generate energy reports about your facility and equipment

Specifications

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<th>Specification Data</th>
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<td>Job Name</td>
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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 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

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: 5 Years

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

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 See www.synapsewireless.com/warranty for warranty terms.
**Included with the SS450:**
- 4 Antennas - 2 cellular antennas, 1 SNAP antenna, 1 WiFi antenna
- Ethernet port for local network connection
- Wall mount bracket
- 1 Power Supply
- Terminal Block Connector (for alternate power connection)
- Quick Install Guide

**Outdoor Site Controller option:**

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<th>Part #</th>
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<td>CBSSW-450-002</td>
<td>Central Base Station SS450-based Model with 5-button switch and NEMA 4X enclosure</td>
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**Supported Synapse Devices:**
- Embedded Lighting Controllers
- External Lighting Controllers
- Wireless Sensors - Photocell, Motion, and Environmental
- Wireless Network Repeaters
- Hardware interface devices for control of HVAC systems and other equipment
- Sensor interface devices for measurement from 4-20mA Sensors

**System Diagrams:**

- **Browser Based User Interface**
- **SS450 Site Controller**
- **SimplySNAP Mesh**
- **SimplySNAP Cloud**
- **Encrypted LAN/WAN Network**
- **Encrypted SNAP Network**