Product Sheet:
Celluar Modem

The Cellular Modem connects the on premise SageGlass Symphony® system to the SageGlass cloud. This connection facilitates access to the mobile application for remote tinting and other SageGlass services.

Product Dimensions

Component	Dimensions			Power Requirements		
	Width	Length	Height	Voltage	Frequency	Peak Power
Cell Modem	5.5″	3.0″	1.6″	100 - 240 VAC	50/60 Hz	15W

Component	Width	Length	Height	
Indoor Antenna	1.5″	0.5″	7.7″	Conditioned space: -29-165 °F; 5-95% relative humidity, non-condensing
Outdoor Antenna*	5.7″	5.6″	4.4″	*Outdoor antenna operating environment: -49° F to 185° F, 0-95% relative humidity

Part Numbers

Antenna Type		Plug Type	Used in countries, such as:
indoor	outdoor		
300-1193-001	300-1193-002	B	Canada, Japan, Mexico, United States
300-1193-003	300-1193-004	C	Bolivia
300-1193-005	300-1193-006	D	India
300-1193-007	300-1193-008	E & F	France, Germany, Netherlands, South Korea, Spain
300-1193-009	300-1193-010	G	Kuwait, Qatar, Saudi Arabia, Singapore, UAE, UK
300-1193-011	300-1193-012	I	Australia, China, New Zealand
300-1193-013	300-1193-014	J	Switzerland
300-1193-015	300-1193-016	K	Denmark
300-1193-017	300-1193-018	L	Italy
300-1193-019	300-1193-020	N	Brazil

Product Ratings

CE   FC   IC   UL   RoHS 2002/95/EC

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Package Includes
1. Cell Modem
2. Power Adapter
3. Antenna (Indoor or Outdoor)

Tools and Materials required
1. Philips Screwdriver (if wall mounting)
2. Mounting Screws (if wall mounting)

System Requirements
The Cell Modem communicates to the Symphony system via Ethernet.
- For commercial applications, use Ethernet cables, category CAT5e or above.
- For residential applications, use shielded Ethernet cables, category CAT5e or above.

Additional Supporting Documentation
Refer to SageGlass Cut Sheets as they are produced for more in-depth information regarding the control system components.
Reference sageglass.com/resources

Installation

Step 1: Mounting the Cell Modem (optional)
1. Ensure the Cell Modem antenna mounting location is not adjacent to metal for best signal.
2. Measure distance of mounting holes on the back of the Cell Modem.
3. Select proper screw length and head diameter for surface to be mounted.
4. Fasten screws into wall with the screwdriver in the orientation to be mounted, leaving enough distance from the base of the screw head to the wall so that the Cell Modem can be secured.

FIGURE 1:

Step 2: Mount and Connect Antennas
Indoor Antenna
1. Connect Indoor antennas (1) to the WWAN-1 and WWAN-2 antenna connectors (2) on the back of the device.
2. Position the antennas for best reception.

Outdoor Antenna
1. Mount the Outdoor antenna to pole or surface using an M30-2 thread or 33mm diameter mounting hole (3).
2. Route antenna cable to the Cell Modem.
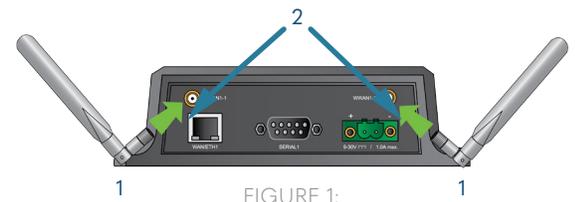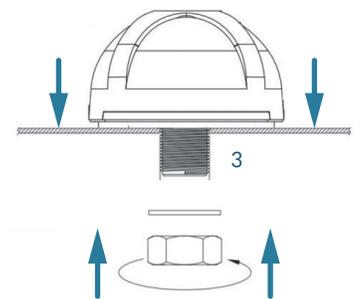3. Connect to both the WWAN antenna connectors (2) on the back of the device.

FIGURE 2:

Step 3: Connecting to the System
1. Insert Ethernet cable from the Firewall to Eth1 port (4) on Cell Modem.

Step 4: Connect Power

1. Insert Power Adapter into the Cell Modem via the power port (5).
2. Insert Power Adapter into Power Outlet.

FIGURE 4:

Step 5: Ensure Proper Connectivity

1. Wait for Power LED to be solid BLUE (6)after flashing stops.
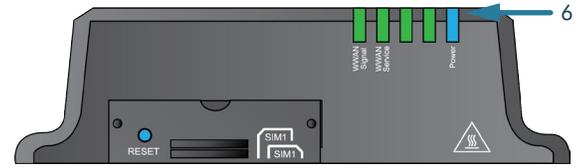

FIGURE 5:

2. Check WWAN signal

SOLID RED
Very Poor signal

SOLID ORANGE
Poor signal

SOLID YELLOW
Fair signal

SOLID LIGHT GREEN
Good signal

SOLID GREEN
Excellent signal

3. Check WWAN service

OFF
No cellular service

FLASHING YELLOW
Attempting to make a cellular connection

SOLID YELLOW
Connected to 2G or 3G

SOLID GREEN
Connected to 4G

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