

# 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	140 mm	76 mm	41 mm	100 - 240 VAC	50/60 Hz	15W
Indoor Antenna	38 mm	13 mm	195 mm	Conditioned space: -34° to 74° C; 5-95% relative humidity, non-condensing		
Outdoor Antenna*	145 mm	142 mm	112 mm	*Outdoor antenna operating environment: -45° to 85° C, 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



## 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](http://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.

## 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.

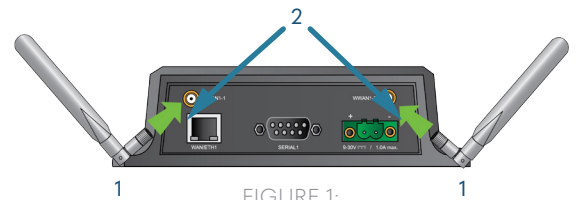


FIGURE 1:

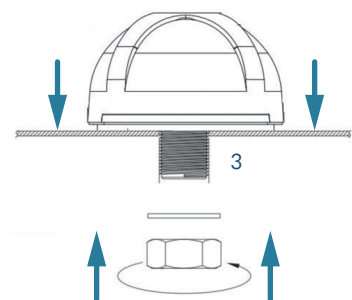


FIGURE 2:



FIGURE 3:

## 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.

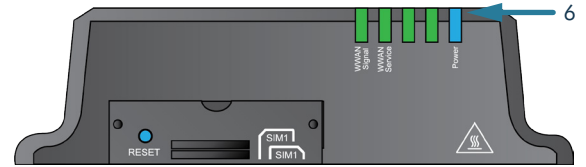


FIGURE 5:

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