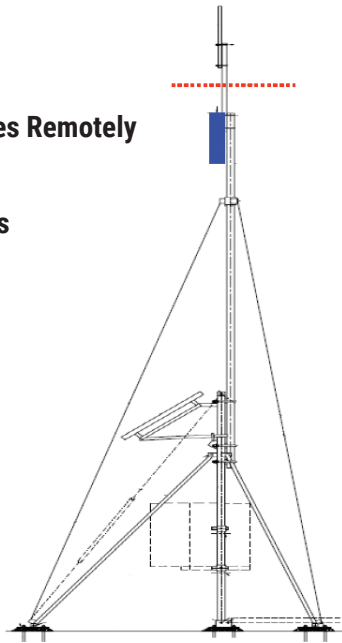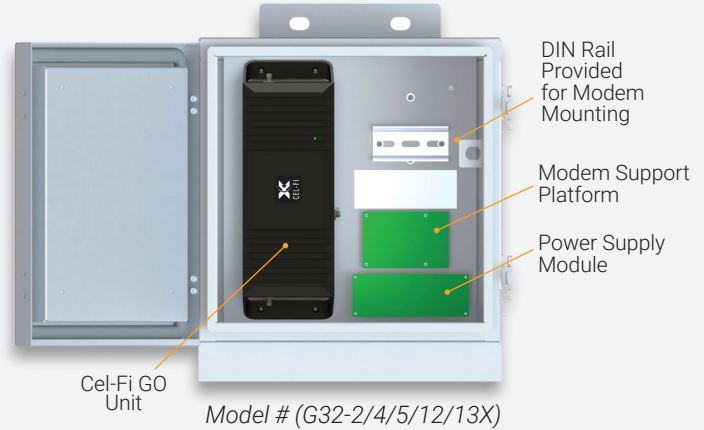# CEL-FI™
GO RMOE
Remotely Managed Cellular Booster

The Cel-Fi GO RMOE is a high reliability, ruggedized and remotely managed cellular repeater solution that leverages Cel-Fi GO product combined with a cellular modem to establish an internet connection to Cel-Fi WAVE management platform. The product is designed to extend the cellular network to remote and rugged locations that are not readily accessible to service technicians, or any area where remote management is desired.

- **Monitor and Manage Devices Remotely**
- **Device Connectivity**
- **Interface Systems and Sites**
- **Carrier-Grade Security**
- **Network Safe**
- **Ruggedized NEMA 4 Rated**

Omni Service Solution

DIN Rail Provided for Modem Mounting

Modem Support Platform

Power Supply Module

Cel-Fi GO Unit

Model # (G32-2/4/5/12/13X)

Product Benefits

Remote Management: Users can access the Cel-Fi WAVE portal remotely through a web interface.

Performance Management: Easily control systems and ensure optimal performance.

Remote Troubleshooting: Troubleshoot and support systems remotely using real-time data and performance metrics.

Cel-Fi WAVE Portal: Cel-Fi WAVE remote device and asset management, enables data modeling and reporting, and globally trusted carrier-grade security.

Web Based Applications: Easy to connect to other web-based services for a fully integrated and remotely managed site solution.

Ease of Installation: Cel-Fi GO RMOE intelligently and automatically senses and adapts to its environment — including Operator network changes, or those caused by other nearby Cel-Fi devices or boosters.

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7 STEP SETUP
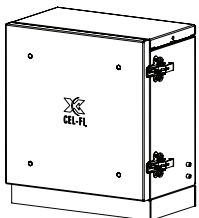
Step 1:
Install Product to Wall or Pole

Step 2:
Mount Modem

Step 3:
Connect Modem Antennas & Power to Modem

Step 4:
Connect Antennas to Cel-Fi GO RMOE

Step 5:
Connect 12V Power to Enclosure

Step 6:
Validate Power, Repeater, and Connectivity

Step 7:
Check Remote Management

Specifications

Power	12 to 15 VDC via external supply
Environmental	Ambient operating temperature: -20°C to 55°C
	Storage temperature: -25°C to 65°C
	Relative humidity: 0% to 95%, noncondensing
Versions	NEMA 4
	Mobile: Cel-Fi GO unit
System Gain	Up to 100dB
Remote Management	Cel-Fi WAVE
Antenna Requirements	50 ohm antenna matching
	Antenna cables require:
	A) N-Type connectors (Donor/Server)
	B) SMA-Male connectors (Cellular Modem)
	VSWR <2:0
	Antennas should support appropriate device band frequencies
Physical Specifications	300mm(W) x 340mm(H) x 240mm(D)
	6kg
	Pole & Wall mount in kit
	N-Type Jack Donor Antenna Connector (50 ohm)
	N-Type Jack Service Antenna Connector (50 ohm)
	SMA Jack Modem Main Connector (50 ohm)
	SMA Jack Modem MIMO Connector (50 ohm)
	SMA Jack GPS Connector (50 ohm)
Standards *(check individual product version for specific regional compliance)*	R&TTE 1999/5/EC, R&TTE 1999/519/EC
	EN 301 489-17, 23, EN 301 908-1, 11, 15
	EN 300-328, EN 62311
	Bluetooth BQB, RCM Mark, CE Mark
	3GPP TS 25.143 Rel.10, 3GPP TS 36.143 Rel.10
Provided	Cel-Fi GO RMOE Unit
	12V Power Supply
Installer to Provide	External Cables
	Donor/Server Antennas
	Modem
System Management *(software)*	Supports Cel-Fi WAVE cloud portal
	Cel-Fi WAVE Portal capability:
	• Status (list and map) • Settings
	• Commissioning • Reporting
	• Diagnostics • Alarms & Notifications

Model *(G32-2/4/5/12/13X)*

Band	Name	Downlink		Uplink	
2	1900 PCS	1930	1990	1850	1910
4	AWS-1	2110	2155	1710	1755
5	850	869	894	824	849
12	700 a	729	746	699	716
13	700 c	746	756	777	787

Model *(G32-1/3/5/7/8/20X)*

Band	Name	Downlink		Uplink	
1	2100	2110	2170	1920	1980
3	1800+	1805	1880	1710	1785
5	850	869	894	824	849
7	2600	2620	2690	2500	2570
8	900	925	960	880	915
20	800 DD	791	821	832	862