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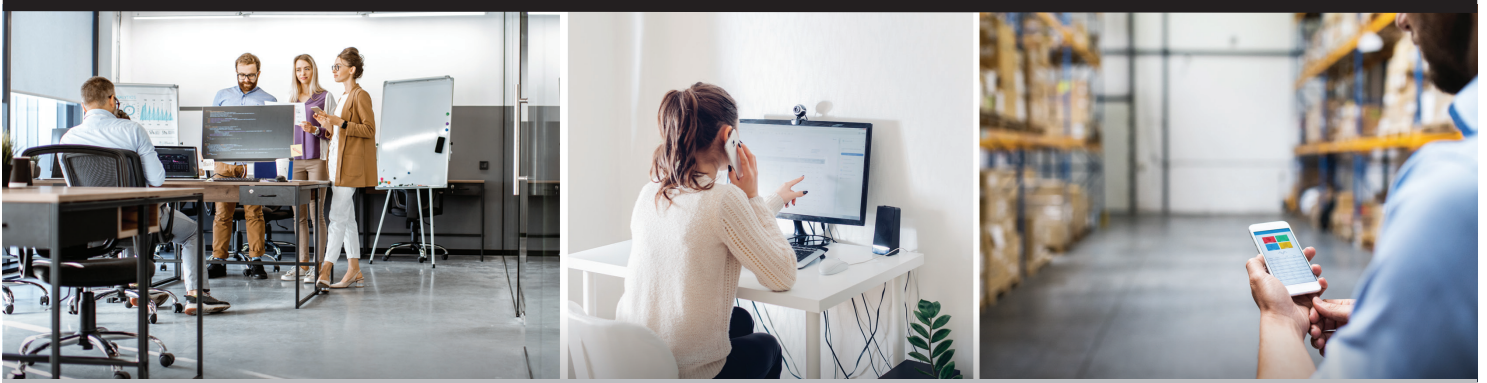


CEL-FI  
**GO** G41

**5G/4G/3G**

Smart Signal Repeater

Stationary Mode



Performance Leadership



Ease of Install



Leaders in Value



Fast Set Up



Carrier Grade Approved

## The First Carrier-Class 5G/4G/3G Cellular Coverage Solution to Boost TDD and FDD

The Cel-Fi GO G41 Smart Signal Repeater is the most powerful carrier-grade solution to overcome cellular coverage issues in indoor environments. Providing up to 100 dB gain, GO G41 offers class-leading 5G/4G/3G voice and data performance. GO G41 also supports 5G NR operation for seamless network migration and consistent connectivity. In addition to providing cellular coverage up to 3,000 m<sup>2</sup> (1,500 m<sup>2</sup> in the U.K.) when configured with the included donor and server antennas, the system can be expanded with outdoor or additional server antennas for an increased coverage footprint. Plus, GO G41 is network safe and the easiest solution to install.

### Industry-Leading Signal Gain

Leveraging Nextivity's award-winning IntelliBoost® chipset, which is engineered to deliver unmatched cellular performance, GO G41 provides up to 100 dB signal gain (depending on the region).



Cel-Fi GO G41 Unit



#### Maximum Gain:

Industry-Leading Signal Gain up to 100 dB for 5G/4G/3G Voice and Data



#### Best Performance:

Smart Signal Repeater with IntelliBoost® Chipset Smart Technology



#### Cellular Coverage:

Up to 3,000 m<sup>2</sup> (1,500 m<sup>2</sup> in the U.K.) per Unit for Buildings, Residential, Remote, and IoT



#### Ease of Set Up:

6 easy steps enable quick installation for optimal system performance



#### Cel-Fi WAVE:

Mobile Device Application for System Set Up



#### DSS:

Support for Dynamic Spectrum Sharing



#### Network Safe:

Carrier Approved with No Noise Guarantee

Model #	Kit #	Bands	Items included:
G41-9E	-001	1, 3, 7, 8, 20	<ul style="list-style-type: none"> <li>GO G41 Unit</li> <li>Power Adaptor</li> <li>Whip Antenna (A21-V33-100)</li> <li>Patch Antenna with 8M Cable (A51-100-100)</li> </ul>
	-002		
	-003		
G41-JE	-001	1, 3, 5, 7, 8, 28L, 40	<ul style="list-style-type: none"> <li>GO G41 Unit</li> <li>Power Adaptor</li> <li>Whip Antenna (A21-V33-100)</li> <li>Patch Antenna with 1M Cable (A51-101-100)</li> </ul>
	-002		
	-003		
G41-NE	-001	1, 3, 5, 7, 28U, 40	<ul style="list-style-type: none"> <li>GO G41 Unit</li> <li>Power Adaptor</li> </ul>
	-002		
	-003		



# Flexibility at Your Fingertips

## Antenna Positioning

To optimize your antenna using real-time data and achieve best possible performance, Nextivity's proprietary 8-position dial base in WAVE's Antenna Position Test allows you to compare signal strength when rotating the antenna in 45-degree increments.

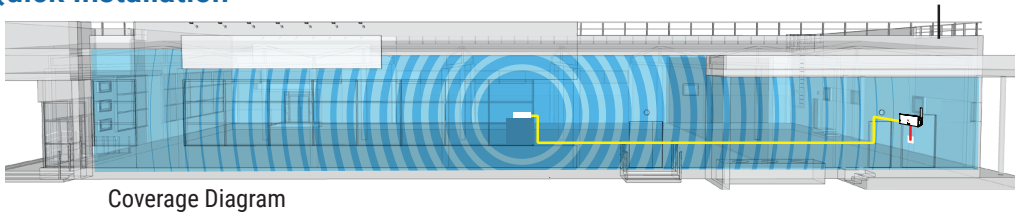
# Pair the Cel-Fi GO with Cel-Fi Antennas to Create the Ideal Solution that Optimizes Performance and Streamlines Installation

## Cel-Fi GO bundles are perfect for:

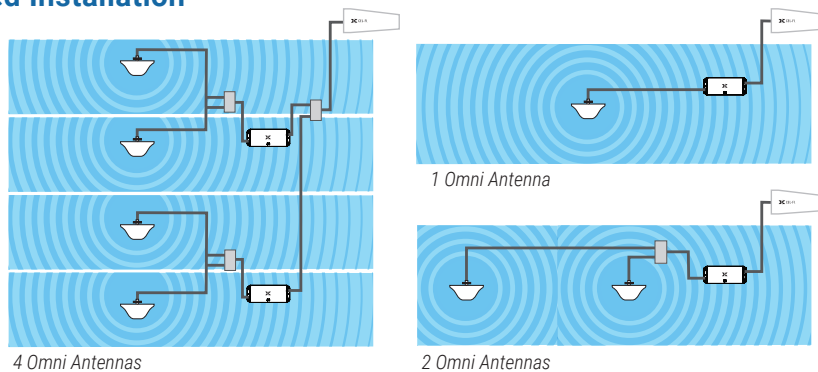
- Government buildings
- Agricultural settings
- Parking garages
- IoT and M2M (machine to machine)
- Small manufacturing operations
- Business in single / multi-level commercial properties
- Remote or rural locations
- Large homes

Combined with either Cel-Fi Omni Dome Antenna(s) for ceiling mounting or Cel-Fi Wideband Panel Antenna(s) for wall mounting, the Cel-Fi GO G41 and Cel-Fi Wideband Directional Antenna is the perfect in-building, remote, and IoT solution. Additional server antennas are available for venues with more floors or dense interior walls. The higher gain Cel-Fi LPDA-R Antenna is available for sites with weak outdoor signals.

## Quick Installation



## Advanced Installation



## Optional Antennas for Advanced Installations



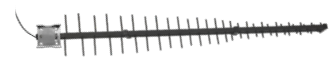
Cel-Fi Wideband Panel Antenna  
A52-V32-100



Cel-Fi Wideband Directional Antenna  
A32-V32-200



Cel-Fi Indoor Omni Antenna  
A11-V43-100



Cel-Fi LPDA-R Antenna  
A62-V44-200

## 6-STEP SET UP

**Step 1:**  
Install Server Antennas with Cable

**Step 2:**  
Install Donor Antennas with Cable

**Step 3:**  
Mount Cel-Fi GO

**Step 4:**  
Connect Donor & Server Antennas with Splitter to the Cel-Fi GO

**Step 5:**  
Connect the AC Power Source



**Step 6:**  
Activate & Optimize Set Up with Cel-Fi WAVE

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# CEL-FI GO G41

## In-Building Cellular Coverage Solution

**KIT#:** G41-9E-001, G41-9E-002, G41-9E-003, G41-JE-001, G41-JE-002, G41-JE-003, G41-NE-001, G41-NE-002, G41-NE-003

Designed to solve cellular coverage challenges for indoor environments, the CEL-FI GO G41 is the most powerful carrier-grade solution in its class. Providing up to 100 dB gain, GO G41 is powered by the latest 4th generation Nextivity proprietary IntelliBoost chip to deliver reliable 2G, 3G, 4G, and 5G voice and data performance. GO G41 also supports 5GNR operation for seamless network migration and consistent connectivity. Plus, GO G41 is network safe and can be installed within minutes.

### Features and benefits include:

- Latest 4th generation Nextivity proprietary IntelliBoost chip delivers channelized coverage for specific mobile network operator's (MNO) signals
- Ready to extend coverage for future 5G networks
- Industry-leading signal gain up to 100 dB to overcome coverage challenges where no other solution can
- Automatic gain control (AGC) feature automatically adjusts the signal strength to prevent interference with the MNO network
- System monitoring via Nextivity WAVE App and management with WAVE Portal



CEL-FI GO G41



Use Nextivity **WAVE** App to view real-time system performance.



## Specifications

Frequency Bands	1/3/5/7/8/20/28L/28U/40
Relay Channel Bandwidths (MHz)	5/10/15/20
Networks	2G/3G/4G/5G
Network Protocols	GSM/WCDMA/LTE/DSS/NR
Network Selection	Automatically best available (WAVE App for manual setting)
Duplex Modes	FDD & TDD
# of Relay Bands (MHz max.)	2
Relay Bandwidth (MHz max.)	20 + 20
Output Downlink Power (All Bands) (dBm max.)	20 (16 in U.K.)
Output Uplink Power (Bands 1/3/5/7/40) (dBm max.)	22
Output Uplink Power (Bands 8/20/28L/28U) (dBm max.)	20
System Gain (dBm max.)	100
Enterprise-Grade Echo Cancellation (dB min.)	30
Return Loss (dB typ.)	-8
Impedance ( $\Omega$ nom)	50

## Bands

Frequency Bands	Downlink (MHz)	Uplink (MHz)	Max. Relay BW (MHz)
1	2110-2170	1920-1980	
3	1805-1880	1710-1785	20
5	869-894	824-849	
7	2620-2690	2500-2570	
8	925-960	880-915	15
20	791-821	832-862	20
28L	758-788	703-733	
28U	788-803	733-748	10
40	2300-2390	2300-2390	20

## Interface

Donor RF Connector	SMA (f)
Server RF Connector	SMA (f)
DC Input	5.5 x 2.5 mm (f) Barrel
Device Setup	Bluetooth for WAVE App
Power & System Status	Bi-color LED (Green/Red)
LAN Status	Bi-color LED (Green/Red)
Factory Debug only	USB 2.0 Micro-B
System Management & SW Updates	WAVE App for iOS 11.0 or later WAVE App for Android WAVE Portal for Desktop

## Compliance

3GPP	TS 25.143 Rel 13 3GPP TS 36.143 Rel 13
CE	Compliant RED 2014/53/EU
RoHS3	EN 63000: 2018
OFCOM	VTS 2102
ACMA/RCM	AS/NZS CISPR, 32:2013
Bluetooth	LE Ver 4.2

## Power Supply

Power Consumption (W max.)	30
Power Supply Plug	Type C (EU) or Type I (AUS) or Type G (UK)
Power Supply Cable	18 AWG
Power Supply Cable Length (ft (m))	6 (1.85)

## Environmental

Operating Temperature (°F (°C))	32 to 104 (0 to 40)
Storage Temperature (°F (°C))	-31 to 158 (-35 to 70)
Heat Dissipation	Passive Convection
Surface Temperature (°F (°C)) max. at ambient	111.2 (44)
Non-condensing Humidity (%)	0 to 95
Ingress Protection Rating	IP20 Indoor Only

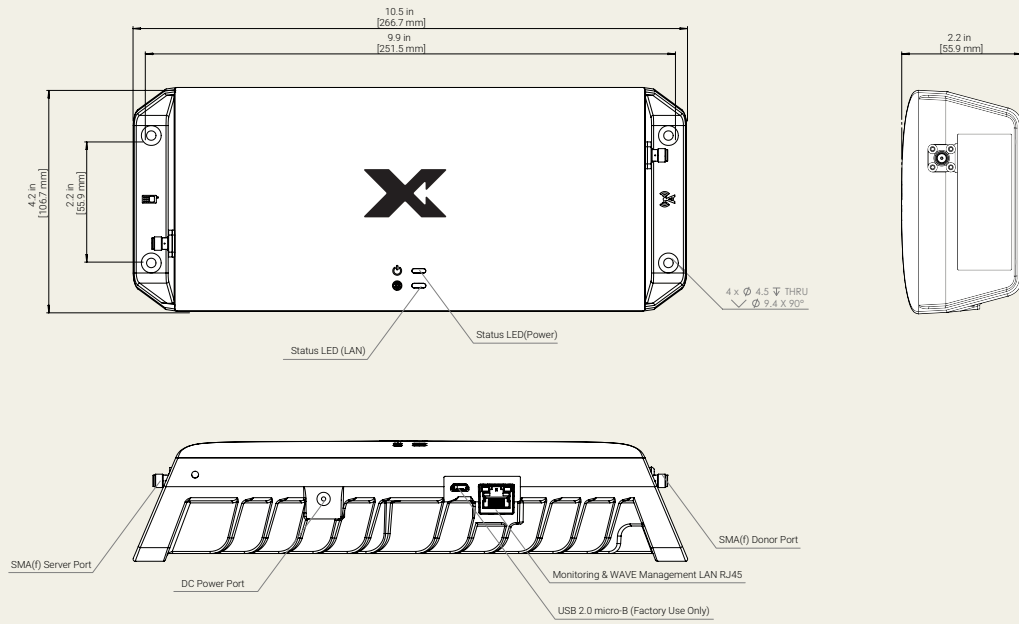
## Mechanical

Main Unit Dimensions (in (mm))	10.5 x 4.2 x 2.2 (266.7 x 106.7 x 55.9)
Main Unit Weight (lbs (kg))	2.3 (1.0)

## Ordering Information

KIT#	G41-9E-001	G41-9E-002	G41-9E-003	G41-JE-001	G41-JE-002	G41-JE-003	G41-NE-001	G41-NE-002	G41-NE-003
Region	EMEA			EMEA/APAC			EMEA/APAC		
Frequency Bands	1/3/7/8/20			1/3/5/7/8/28L/40			1/3/5/7/28U/40		
Dual Relay Bands	1 3 7								
Box Contents	Main Unit								
	1x Donor Antenna (A21-V33-100)			1x Donor Antenna (A21-V33-100)			1x Donor Antenna (A21-V33-100)		
	1x Server Antenna (A51-100-100)	1x Server Antenna (A51-101-100)		1x Server Antenna (A51-100-100)	1x Server Antenna (A51-101-100)		1x Server Antenna (A51-100-100)	1x Server Antenna (A51-101-100)	
	1x AC Adapter								
	4x Mounting Screws								
	4x Drywall Anchors								
	Quick Installation Guide								
Kit Shipping Dimensions (in (mm))	16.3 x 4.9 x 4.6 (413 x 124 x 117)		16.3 x 4.9 x 3.0 (413 x 124 x 76)	16.3 x 4.9 x 4.6 (413 x 124 x 117)		16.3 x 4.9 x 3.0 (413 x 124 x 76)	16.3 x 4.9 x 4.6 (413 x 124 x 117)		16.3 x 4.9 x 3.0 (413 x 124 x 76)
Kit Shipping Weight (lbs (kg))	4.2 (1.88)		3.3 (1.50)	4.2 (1.88)		3.3 (1.50)	4.2 (1.88)		3.3 (1.50)

## CEL-FI GO G41 Main Unit Outline



Product specifications are subject to change without prior notification.