

Smart Signal Booster



CEL-FI
GO X

Cel-Fi GO X for Buildings and Remote Places. Built for indoor / tough to reach spaces.

The Cel-Fi GO X Smart Signal Booster is designed to improve voice and data coverage for 3G/4G in an indoor area of 15,000 ft² / 1,400m². The Cel-Fi GO X is IP65 rated, weather resistant and does not interfere with other wireless devices. Cel-Fi GO X is cost effective and easy-to-setup for users and installers.

- Licence exempt and fully meets Ofcom requirements SI 2018/399 (UK) and ComReg S.I.No.283 of 2018 (Ireland)
- IP65 rated, weather resistant.

- 100 dB max signal gain in an area approximately 15,000 ft² / 1,400 m²
- Available for O2, EE, Three, Vodafone and all Mobile Virtual Network Operators
- Can easily switch between mobile networks via the Cel-Fi WAVE app
- Carrier approved, boosts 3G and 4G simultaneously
- Smart Signal Booster with IntelliBoost® Chipset - Unconditionally Network Safe
- Remote monitoring and management with the Cel-Fi WAVE app
- Licence exempt under Irish law and fully meets the requirements of ComReg S.I. No. 283 of 2018

Features

Cel-Fi WAVE Portal

- A dashboard overview of all your systems
- Data and performance metrics sent by the WAVE App to the WAVE Portal
- Software update management
- Users and group management

Network Safe

Self-organising edge intelligence ensures that Cel-Fi GO X do not interfere with other indoor wireless products such as Wi-Fi routers, Small Cells, and Distributed Antenna Systems (DAS).

High speed Automatic Gain Control ensures that Cel-Fi GO X are unconditionally network safe, and enables more simultaneous calls and higher data speeds.



CEL-FI[™] GO X

IntelliBoost™ Chipset

The Nextivity IntelliBoost™ baseband processor is the first six-core processor designed specifically to optimise the indoor transmission and reception of 3G and 4G wireless signals.

With advanced filtering, equalisation and echo-cancellation techniques, Nextivity has developed an architecture which delivers unprecedented in-building data rates and pervasive 3G and 4G connectivity. The IntelliBoost™ processor ensures that Cel-Fi products never negatively impact the mobile network while providing maximum coverage.

Power

9.6 – 16.5V
2A current draw
16W nominal power consumption

Environmental

Operating temperature: 0° to 65°C
Convection Cooling
Relative humidity: 0% to 95%, noncondensing
RoHS 2 (European and China compliant)
WEEE
IP65 rated, weather resistant
Surface Temp at any point (30° ambient): 53°C

Installation

Mounting hardware included

Radio Performance

The GO system can boost up to two (2) bands concurrently.
Either profile can be selected:
A) One (1) high band boost and one (1) low band boost or
B) Two (2) high bands boost

Antenna Ports

(Donor and Server)

699 – 2180 Mhz
Impedance: 50 Ohm
Return Loss: 8 dB
Output Protection

Physical Specifications

GO X
96.5x43.25x272.5mm

DC Power Plug and Jack

4 rated power plugs and jack

Compliance

(check individual product version for specific regional compliance)

Licence exempt and fully meets Ofcom requirements
SI 2018/399 (UK) and ComReg S.I.No.283 of 2018 (Ireland)

System Management

(software)

Supports Cel-Fi WAVE cloud portal
Cel-Fi WAVE Portal capability:

- Status (list and map)
- Commissioning
- Diagnostics
- Software Updates
- Settings
- Reporting
- Alarms & Notifications

Antenna options*



Wideband Directional Antenna



Wideband Indoor Omni Antenna



Wideband Panel Antenna

* Compatible Antennas for Cel-Fi GO X are available to purchase separately