

Page



Powertec Wireless Technology  
ABN: 42 082 948 463  
PO Box 1034, Ashmore City  
Queensland, Australia, 4214  
sales@powertec.com.au  
1300 769 378

# **Nextivity Cel-Fi GO G31-3/5/28L Repeater**

SKU  
RPR-CF-00065  
MPN  
G31-3/5/28 EXA

## **Description**

The Cel-Fi GO is an extremely effective repeater designed to improve mobile phone and data coverage. This model has been designed to improve Telstra 3G and 4G services in a matter of minutes.

Setting up the repeater to improve indoor mobile coverage is simple. The unit has an input connection and an output connection which are set up as follows:

- Input connection: connected to roof mounted antenna by cable
- Output connection: can either connect directly to an antenna, or can use one or more cables to distribute signal elsewhere.

[Read More](#)

The Cel-Fi GO works by decoding and amplifying weak signal detected by the roof mounted antenna. This cleaner signal is then rebroadcast at full "five bar" strength by the antenna connected to the output port.

Mobile services can be distributed throughout a large home or building by using a series of antennas, creating localised hotspots of 3G or 4G service. This type of system is known as a Distributed Antenna System (DAS) and needs to be carefully designed to ensure proper functioning.

The Telstra Cel-Fi GO can operate on one frequency band at a time. With Telstra shutting down its 3G network the unit should be set to operate on the 700 MHz 4G network which provides both voice and high speed internet services.

[Read More](#)



### [Nextivity](#)

Nextivity, Inc. develops and sells in-building cellular coverage technology products and solutions. The Company helps wireless subscribers and increases radio frequency network capacity for mobile network operators. Nextivity operates in the State of California.

Nextivity is best known for its Cel-Fi range of mobile repeater solutions which provide low cost improved in-building coverage solutions.

# RF Specification

Simultaneous Bands

1

Downlink Max. Gain

100 dB

Supported Technologies

[3G UMTS](#), [4G LTE](#)

Relay Bandwidth

20 MHz

Uplink Max. Gain

100 dB

Supported Bands

Frequency Band	Duplex Method	MIMO	Downlink Output Power	Uplink Output Power	Max. Channel Width	Downlink Start Frequency	Downlink Stop Frequency	Uplink Start Frequency
<a href="#">B3 (1800 MHz)</a>	<a href="#">FDD</a>	<a href="#">1x1 SISO</a>	16 dBm	22 dBm	20 MHz	1805 MHz	1880 MHz	1710 MHz
<a href="#">B5 (850 MHz)</a>	<a href="#">FDD</a>	<a href="#">1x1 SISO</a>	15 dBm	20 dBm	15 MHz	869 MHz	894 MHz	824 MHz
<a href="#">B28 (700 MHz)</a>	<a href="#">FDD</a>	<a href="#">1x1 SISO</a>	16 dBm	20 dBm	20 MHz	758 MHz	788 MHz	703 MHz

RF Connections

**RF Connector Function Quantity RF Interface Notes**

Donor Input 1 [SMA Female](#)

Service Output 1 [SMA Female](#)

## Network Interfaces

Wireless Interfaces

Bluetooth Interface

Protocol

[Bluetooth 4.2](#)

Power Class

[Class 3](#)

Ethernet Interfaces

# Physical Specification

Ingress Protection

[IP54](#)

Mounting

Screw / Bolt

Dimensions

255 × 87 × 28 mm

Compliance/Certifications

[CE](#)

,

[R-NZ](#)

,

[RCM](#)

,

[RoHS](#)

Min. Operating Temperature

0 °C

Max. Operating Temperature

65 °C

Weight

0.6 kg

Device Power Specifications

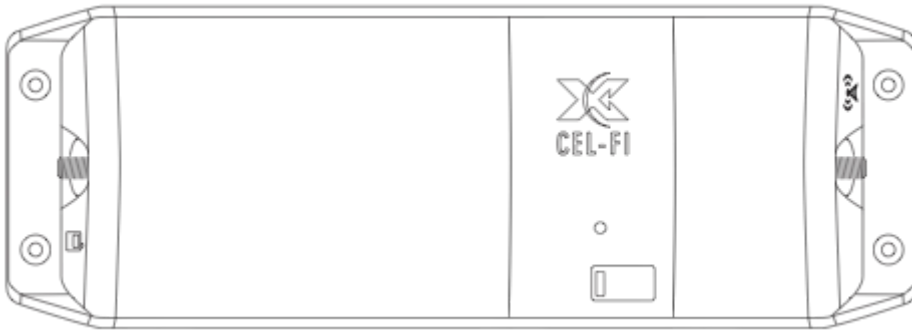
Max. Consumption

15 W

## Power Interface

Power Connector	Min. Input Voltage	Max. Input Voltage	Voltage Type
DC Coaxial, Type A, Female 5.5 x 2.5 mm	9.6 V	28.8 V	DC

Drawing



Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

