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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.

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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.

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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 Frequer
B3 (1800 MHz)	FDD	1x1 SISO	16 dBm	22 dBm	20 MHz	1805 MHz	1880 MHz	1710 MH
B5 (850 MHz)	FDD	1x1 SISO	15 dBm	20 dBm	15 MHz	869 MHz	894 MHz	824 MHz
B28 (700 MHz)	FDD	1x1 SISO	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

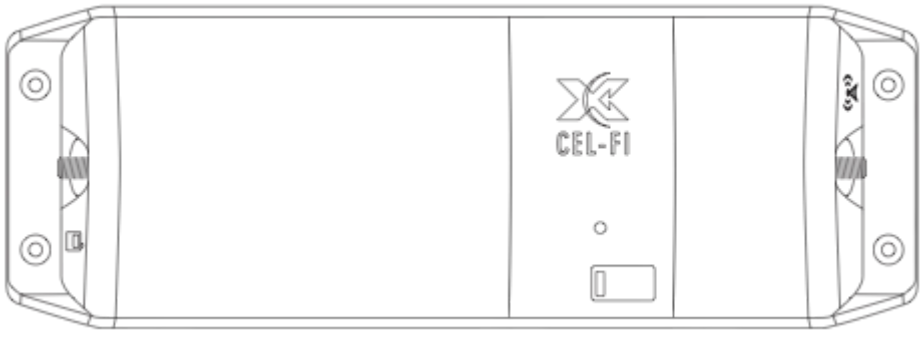
Physical Specification

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



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