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Nextivity Cel-Fi GO G32-1/3/5/7/8/20X Repeater

SKU: RPR-CF-00392

MPN: G32-1/3/5/7/8/20X

Description

The Cel-Fi GO G32 is a highly effective repeater designed to improve Optus mobile voice, text, and data coverage. This model has been designed to improve both Optus 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 G32 works by decoding and amplifying weak Optus signal detected by the roof mounted antenna. This signal is then boosted up to 100 dB using a linear amplifier and output through the antenna or series of antennas connected to the output port.

Unique to the GO G32, the repeater is IP66 ingress protection rated and built tough for use in outdoor and tough environments.

The Optus Cel-Fi GO G32 can operate on two frequency bands simultaneously, providing either 3G and 4G coverage, or 2C 4G

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:	2	Relay Bandwidth:	40 MHz
Downlink Max. Gain:	100 dB	Uplink Max. Gain:	100 dB
Supported Technologies:	3G UMTS, 4G LTE		

Supported Bands

Frequency Band	Duplex Method	MIMO	Max. Channel Width	Downlink Start Frequency	Downlink Stop Frequency	Uplink Start Frequency	Uplink Stop Frequency
B1 (2100 MHz)	FDD	1x1 SISO	20 MHz	2110 MHz	2170 MHz	1920 MHz	1980 MHz
B3 (1800 MHz)	FDD	1x1 SISO	20 MHz	1930 MHz	1990 MHz	1850 MHz	1910 MHz
B5 (850 MHz)	FDD	1x1 SISO	15 MHz	869 MHz	894 MHz	824 MHz	849 MHz
B7 (2600 MHz)	FDD	1x1 SISO	20 MHz	2620 MHz	2690 MHz	2500 MHz	2570 MHz
B8 (900 MHz)	FDD	1x1 SISO	15 MHz	925 MHz	960 MHz	880 MHz	915 MHz
B20 (800 MHz)	TDD	1x1 SISO	20 MHz	791 MHz	821 MHz	832 MHz	862 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:	IP66	Min. Operating Temperature:	0 °C
Mounting:	Screw / Bolt	Max. Operating Temperature:	65 °C
Dimensions:	272.5 × 96.5 × 43.5 mm	Weight:	0.85 kg
Compliance/Certifications:	CE , R-NZ , RCM , RoHS		

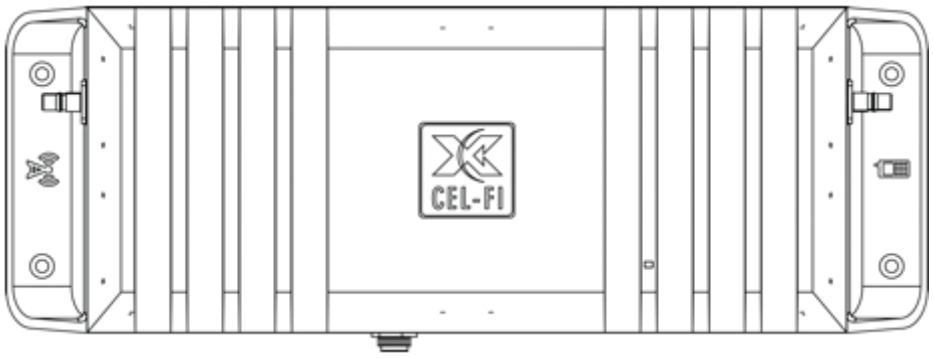
Device Power Specifications

Max. Consumption:	16 W

Power Interface

Power Connector	Min. Input Voltage	Max. Input Voltage	Voltage Type	Input Current
DC Coaxial, Type A, Female 5.5 x 2.5 mm	9.6 V	16.5 V	DC	2 A

Drawing



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