



DATA SHEET

 $(((\bullet)))$

MODEL NUMBERS:

G32-2/4/5/15/13P

Cel-Fi GO+ uses Nextivity's award-winning, network-safe Cel-Fi Smart Signal Booster technology to dramatically improves voice and data coverage in up to two bands for 3G/4G/LTE. It's guaranteed to be unconditionally network safe and does not interfere with other wireless devices. In mobile mode, Cel-Fi GO+ is designed to boost mobile coverage for multiple users in trucks, automotive, RVs, and marine installations. In stationary mode, Cel-Fi GO+ delivers 1000x better gain across the industry's largest coverage footprint. Cel-Fi GO+ is cost efficient and easy-to-deploy, and can be optimized and monitored by the Cel-Fi WAVE Platform.

Features:	 Environmental rating: Outdoor NEMA 4 Rating Multi-carrier support with carrier switching Multi-user support Carrier approved for 3G/4G/LTE for voice and data Unconditionally network safe SMA-Female antenna connectors Cel-Fi WAVE management platform Superior performance: 65 dB (mobile mode) and 100 dB (stationary mode) max gain with IntelliBoost[™] All-in-One Cellular Coverage Solution: with mode switching between mobile and stationary modes 	
Wireless Features	3G/4G/LTE support (WCDMA / HSPA+ / LTE) Supports two (2) bands simultaneously from a single operator FDD Up to 65 dB (mobile mode) and 100 dB (stationary mode) system gain, per channel Peaceful coexistence with adjacent Wi-Fi (2.4 GHz & 5 GHz), femtocells, and cellular devices Advanced digital echo-cancellation (>30 dB) and channel select filtering algorithms Automatic Gain Control (AGC) based on fast real-time echo-cancellation Linear RF front end Adaptive signal equalization Uses Nextivity's 3rd-generation "ARES" chipset	
System Features	SMA Female connectors for Donor and Server antennas NEMA 4 rated enclosure and connectors Support for BIAS-TEE power through Server port Glanceable LED User Interface (UI) Supporting smart phone application (Cel-Fi WAVE) Convection cooled cast aluminum chassis Easy mounting capability Mounting screws and anchors included	
Mobile Network and Network Protection Features	Global band combinations available	
Wireless Benefits	Clear and reliable cellular connections withing coverage area up to 12,500 ft ² (mobile mode) and 15,000 ft ² (stationary mode) per system Highest gain provides best coverage footprint Advanced Echo-Cancelation allows Cel-Fi to transmit more power without feedback interference Subscriber devices (UE) require less transmit power for improved battery life Linearity eliminates IMD desense issues Dynamic gain control ensures maximum gain—best coverage—at all times in ever changing RF environments, without user intervention Nextivity purpose-built, high-performance, six core ASIC processor, provides best performance at lowest cost	

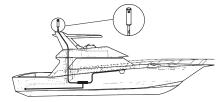
System Benefits	Distribute and boost cellula 3G and 4G support, Voice an LED cues provide visual fee Works with any subscriber of	nd Data, network safe dback for ease of setup ar			
Mobile Network Benefits	Flexibly deploy on LTE, VoLTE, LTE-Advanced, and WCDMA networks, with multiple cellular bands, simultaneously Automatically adjusts channel bandwidths between 5 MHz and 20 MHz UE control is transparent and remains centralized in the network core (no gateways or third-party software)				
Compliance (check individual product version for specific regional compliance)	3GPP TS 25.143 Rel.10 3GPP TS 36.143 Rel.10 FCC Part 15, 20, 22, 24, 27 ISED (Industre Canada) Bluetooth BQB CE				
System Management (Software)	Supported by Cel-Fi WAVE c Cel-Fi WAVE Portal capabilit	loud portal y: Status (List and Map) Commissioning Diagnostics Software Updates	Settings Reporting Alarms & Not	fications	
Antenna Ports (Donor and Server)	Model: G32-2/4/5/15/13P: 699-2180 MHz Impedance: 50 Ohm Return Loss: 8 dB Output Protection				
Environmental	Operating temperature: 0° to 65° C Convection Cooling Relative humidity: 0% to 95%, noncondensing RoHS 2 (European and China compliant) WEEE NEMA 4 Surface Temp at any point (30° ambient): 53°C				
Dimensions	HEIGHT	WIDTH	LENGTH	WEIGHT	
	43.5 mm	96.5 mm	272.5 mm	850 g	
Power	9.6–16.5V 2A current draw 16W nominal power consumption				
Installation	Mounting hardware include	d			
DC Power NEMA 4 Rated Plug and Jack	STATIONARY MODE	MOBILE MOD	Ξ	CD POWER JACK	
(both power supplies included for stationary and mobile)	AC Po	wer	CLA		
Radio Performance	erformance The Cel-Fi 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				
	MODEL NUMBER		G32-2/4/5/15/13P		
	Bands Supported		2, 4, 5, 12, 13		
	BAND DOWNLINK 2 1930–1990 M		Lip to 20 MHz cont	iguous boost, HSPA or LTE	
	4 2110-2155 N			iquous boost, HSPA of LTE	
	5 869-894 MHz			iquous boost, HSPA or LTE	
	12 729-746 MHz	z 699-716 MHz	Up to 10 MHz cont		
	13 746-756 MHz	z 777–787 MHz	Up to 10 MHz cont	iguous boost, LTE	
Band Variations: (check product version for specific band support)	Maximum DL in-band donor Maximum UL power 22 dBm Maximum UL power 20 dBm Maximum DL power 10 dBm Maximum DL power 10 dBm LTE 5/10/15/20 MHz and W Copyright © 2019 by Nextivity, Inc, or registered trademarks listed belo	h bands 2, 4 h bands 5, 12, 13 h per 5 MHz bands 2, 4 h per 5 MHz bands 5, 12, 1 CDMA 5 MHz bandwidths U.S. All rights reserved. The Nexti	vity and Cel-Fi logos are rec	istered trademarks of Nextivity Inc. All oth rnia. data_go+_eng_19-1015	ier trademarks





Model: A11-V37-100

Cel-Fi Marine Antenna will collect the cell tower signal and send it through the cable to a Signal Booster. And it works in the other direction, when the cell phone transmits, the signal is transferred to a Signal Booster and transmitted back to the cell tower.



FEATURES

- High-performance, omni-directional antenna
- · Threaded ferrule/post for side or bottom cable exit
- Weather resistant
- Built-in ground plane
- For marine application
- Easy installation

SPECIFICATIONS

Antenna Model	A11-V37-100
Frequency Range	698-960/1710-2700 MHz
Gain	4dBi
VSWR	< 1.8
Radiation Pattern	Omni-Directional
Polarization	Vertical
Horizontal Beamwidth	360°
Vertical Beamwidth	60°
Maximum Power (W)	100W
Input Impedance	50
Lightning Protection	DC Ground
Color	White
Connector Type	SMA Male
Dimensions	2.5in x 9.8in/63mm x 250mm
Radome Material	PVC UV Stabilized
Reflector Material	Copper
Rated Wind Velocity	130 mph/210 kph
Operating Temp	-40°C to 65°C
Humidity	100%
Mounting	Standard marine mount: 1in x 14in thread
RoHS	Compliant

Copyright © 2017 by Nextivity, Inc, U.S. All rights reserved. The Nextivity and Cel-Fi logos are registered trademarks of Nextivity Inc. All other trademarks or registered trademarks listed belong to their respective owners. Designed by Nextivity in California.



U.S. Headquarters: Nextivity Inc.

16550 West Bernardo Drive, Bldg. 5, Suite 550, San Diego, CA 92127, USA +1 858.485.9442 tel • +1 858.485.9445 fax





Model: A41-V30-100

The Cel-Fi Mobile Server Antenna is a cellular / LTE patch antenna. The Cel-Fi Mobile Server Antenna has an adhesive mount for ease of installation.

SPECIFICATIONS

ELECTRIC SPECIFICATION

Frequency Range	698-960/1710-2690 MHz
Bandwidth	90/170 MHz
Gain	2.5 dBi
VSWR	≤2.0
Input Impedance	50 Ω
Polarization	Vertical
Maximum Power	50 W
Connector	SMA MALE
Cable type	RG174

MECHANICAL SPECIFICATION

Length	4m	
Dimension	4X22×115mm	

Copyright © 2017 by Nextivity, Inc, U.S. All rights reserved. The Nextivity and Cel-Fi logos are registered trademarks of Nextivity Inc. All other trademarks or registered trademarks listed belong to their respective owners. Designed by Nextivity in California.

