ANTENNA ACCESSORY



Inseego's all in one external antenna

High performance 5G antenna for any environment

Why Inseego?

As a U.S.-based company, we design and develop all of our products in the USA and hold them to the highest security standards. Our products and solutions are designed to meet the most rigorous security requirements of top tier carriers, government entities, and fortune 500 enterprise customers.



The all in one external antenna is a high-performance multi-element antenna that supports the full spectrum of LTE and 5G bands and active GPS.

With world class engineering design, the all-in-one antenna has optimized efficiency, coverage, gain, and return loss to provide the best possible signal strength for your cellular device. In addition, the L1 and L5 band coverage with active GPS support provides world class tracking and location based services.

The remote antenna is fully ruggedized with high performance materials and a full IP67 rating to withstand any outdoor environment.

Pair this antenna with your Inseego device to have the best possible cellular connection in remote industrial applications.

For more information: sales@inseego.com
Visit us our website: inseego.com

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Remote antenna specifications

Product SKU
649496 02576 2

Product dimensions
279.4mm x 93.52mm x 56.38mm

Operating temperatures
-40°C to 85°C

Ingress protection
IP67 Waterproof

Mounting hole
1.5 " (35.1mm) hole, fully gasket and sealed

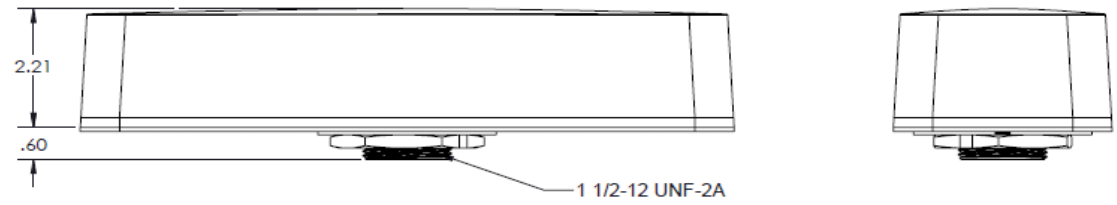
RF cable length
6 foot cable

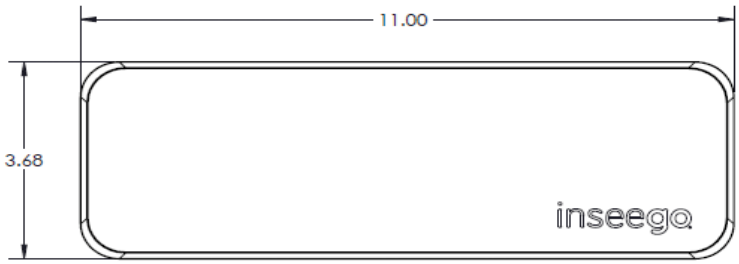
Element configuration:
6x Cellular, 1x Active GNSS

Element frequency range
Cell 1: 617 - 894 MHz, 1710 - 2700 MHz, 3400 - 3800 MHz, 5150 - 5925 MHz
Cell 2: 1400 - 2700 MHz, 3400 - 4000 MHz, 5150 - 5925 MHz
Cell 3: 1400 - 2700 MHz, 3400 - 4000 MHz, 5150 - 5925 MHz
Cell 4: 3400 - 4000 MHz, 5150 - 5925 MHz
Cell 5: 1400 - 2700 MHz, 3400 - 4000 MHz, 5150 - 5925
Cell 6: 617 - 894 MHz, 1710 - 2700 MHz, 3400 - 3800 MHz, 5150 - 5925 MHz
GNSS: 1575.42, 1176.45 MHz (GPS L1/L5)

Band coverage
AT&T:	2, 4, 5, 12, 14, 17, 29, 30, 46, 48, 66
Verizon:	2, 4, 5, 13, 46, 48, 66
T-Mobile:	2, 4, 12, 25, 26, 41, 46, 48, 66, 71
Private networks:	12, 41, 42, 43, 46, 48, 71, 77, 78, 79
Global:	1, 2, 3, 4, 5, 7, 8, 11, 12, 13, 14, 17, 18, 19, 20, 28, 29, 30, 32, 38, 39, 40, 41, 42, 43, 46, 48, 77, 78, 79

Physical dimensions (in):





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Rev 1

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Electrical specifications

ID	Port	Parameters	Units	Type
Radiant efficiency	CELL - 1,6 CELL - 1,6 CELL - 1,6 CELL - 1,6 CELL - 2,3,5 CELL - 2,3,5 CELL - 2,3,5 CELL - 4 GPS	617 - 894 MHz 1710 - 2700 MHz 3400 - 4000 MHz 5150 - 5935 MHz 1400 - 2700 MHz 3400 - 4000 MHz 5150 - 5935 MHz 3400 - 4000 MHz 1575.42, 1176.45 MHz	%	85 85 70 60 80 60 70 70 80
Peak gain	CELL - 1,6 CELL - 1,6 CELL - 1,6 CELL - 1,6 CELL - 2,3,5 CELL - 2,3,5 CELL - 2,3,5 CELL - 4 GPS	617 - 894 MHz 1710 - 2700 MHz 3400 - 4000 MHz 5150 - 5935 MHz 1400 - 2700 MHz 3400 - 4000 MHz 5150 - 5935 MHz 3400 - 4000 MHz 1575.42, 1176.45 MHz	dBi	5 6 7 7 7 6 9 7 6
Return loss (50 Ω)	CELL - 1,6 CELL - 1,6 CELL - 1,6 CELL - 1,6 CELL - 2,3,5 CELL - 2,3,5 CELL - 2,3,5 CELL - 4 GPS	617 - 894 MHz 1710 - 2700 MHz 3400 - 4000 MHz 5150 - 5935 MHz 1400 - 2700 MHz 3400 - 4000 MHz 5150 - 5935 MHz 3400 - 4000 MHz 1575.42, 1176.45 MHz	dB	8 10 5 7 10 5 10 7 5
Isolation	CELL - 1,6 CELL - 1,6 CELL - 1,6 CELL - 1,6 CELL - 2,3,5 CELL - 2,3,5 CELL - 2,3,5	617 - 894 MHz 1710 - 2700 MHz 3400 - 4000 MHz 5150 - 5935 MHz 1400 - 2700 MHz 3400 - 4000 MHz 5150 - 5935 MHz	dB	13 25 30 30 12 14 20
Polarization	CELL - 1,2,3,4,5,6 GPS		dBi	Linear RHCP
Max input power	CELL - 1,2,3,4,5,6		Watts	5
GNSS preamp gain	GPS		dB	28
GNSS preamp voltage	GPS		V	2.2 to 5.0
RF connectors	CELL - 1,2,3,4,5,6 GPS			SMA (M)
RF cable type	CELL - 1,2,3,4,5,6 GPS			LMR200 LMR100