
Inseego FW2000e 4G-5G Cat-22 Outdoor CPE, 2.5 Gbps

Description

USA-manufactured Inseego FW2000e is one of the biggest leaps in wireless technologies seen so far this decade. This 4G-5G Fixed Wireless unit provides multi-gigabit data speeds by combining both 4G and 5G carriers (EN-DC). Supporting the latest 5G NR standard along with an incredible Cat-22 4G LTE chipset this unit provides peak data rates of up to 2.5 Gb/s.

This unit totally simplifies the provision of high performance internet connectivity in regional and low signal areas. Simply connected by a single ethernet cable and powered by the included 802.3bt PoE injector, installation can be completed in a matter of minutes.

- Latest 5G NR release compatibility > 2.5 Gb/s
- 4G LTE Cat-22 – Speeds up to 2562 Mb/s DL and 316 Mb/s UL
- 140 MHz 7C CA with 256QAM
- FDD+TDD LTE-A Pro including Supplemental Downlink (SDL) bands

Operating on all major 4G and 5G bands throughout Australia, Europe, United States, and abroad this unit stands ready to deliver multi ...

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The FW2000e is a genuine disruptor, representing a total change to the way regional internet access and temporary site communications are deployed. Utilising the Inseego Connect platform, all device deployments can be centrally managed through a single pane-of-glass.

Powered by Inseego FW2000e, the unit is equipped with a dual mode 4G LTE-A Pro and 5G NR Snapdragon X55 chipset supporting 4T4R multi-antenna technology. Its integrated 4x4 MIMO antenna system provides high gain (up to 14 dBi) on all sub-6 GHz bands.

As a dual-sim redundant, IP67 weatherproof device that supports temperature extremes, this unit is ideal for enterprise and industrial customers demanding high data rates with high reliability.



Powertec

Powertec is a wireless technology manufacturer and systems integrator based in Australia. Operating since 1995, Powertec has grown to become the leading wireless technology distributor in its region, and a leading Infratech systems developer. Supporting over 1500 partners the company provides procurement, design, project management, and support services across Australia, New Zealand, Pacific ...

Network Interfaces

Wireless Interfaces

Cellular Module

Technologies:	4G LTE, 5G NR	Chipset/Module:	Snapdragon X55
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4G LTE Specifications

MIMO:	4x4 MIMO	DL Category:	Cat 22
LTE Bands:	B1	UL Category:	Cat 20
	,	Carrier Aggregation:	7C CA
B2			
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B3			
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B4			
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B5			
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B7			
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B8			
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B12			
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B38			
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B39			
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B41			
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B42			
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B43			

5G Sub-6 GHz Specifications

5G Bands:	n1	MIMO:	4x4 MIMO
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n2			
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n3			
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n5			
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n7			
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n12			
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n20			
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n48			
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n71			
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n77			
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n78			

SIM Cards	
Quantity	SIM Type
2	Nano SIM (4FF)

Bluetooth Interface

Protocol:	Bluetooth 4.0	Power Class:	Class 2
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Ethernet Interfaces

Interface	Quantity	Function	Signalling	PoE Input
RJ45 Copper	1	LAN	100BASE-T, 1000BASE-T	802.3bt Type 3 PoE++

Antenna Specifications

Start Frequency:	600 MHz	Polarisation:	Dual Slant $\pm 45^{\circ}$
Stop Frequency:	4200 MHz	Input Impedance:	50

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain
600 MHz	960 MHz	4 dBi
960 MHz	1695 MHz	5 dBi
1695 MHz	2700 MHz	12 dBi
3300 MHz	4200 MHz	14 dBi

Physical Specification

Subtype:	Cellular Modem	Dimensions:	400 × 71.7 × 430 mm
Min. Operating Temperature:	-30 °C	Weight:	4.22 kg
Max. Operating Temperature:	70 °C	Compliance/Certifications:	CE
Ingress Protection:	IP67	RCM	
		RoHS	

Power Specifications

Max. Consumption:	90 W	Typical Consumption:	9 W
Power Options:	Power over Ethernet		

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