
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

Cellular Module

Technologies:

4G LTE, 5G NR

Chipset/Module:

Snapdragon X55

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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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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n78			

SIM Cards

Quantity	SIM Type
2	Nano SIM (4FF)

Bluetooth Interface

Protocol: Bluetooth 4.0 Power Class: Class 2

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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