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

SKU  
CPE-CL-00020  
MPN  
FW2000e

## **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.

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### [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

## 4G LTE Specifications

MIMO

[4x4 MIMO](#)

LTE Bands

[B1](#)

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[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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[B66](#)

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[B71](#)

DL Category

Cat 22

UL Category

Cat 20

Carrier Aggregation

7C CA

## **5G Sub-6 GHz Specifications**

5G Bands

[n1](#)

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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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[n66](#)

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[n71](#)

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[n77](#)

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[n78](#)

MIMO

[4x4 MIMO](#)

SIM Cards

Quantity	SIM Type
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2	<a href="#"><u>Nano SIM (4FF)</u></a>
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Bluetooth Interface

Protocol

[Bluetooth 4.0](#)

Power Class

## [Class 2](#)

### Ethernet Interfaces

Interface	Quantity	Function	Signalling	PoE Input
<a href="#">RJ45 Copper</a>	1	LAN	<a href="#">100BASE-T</a> , <a href="#">1000BASE-T</a>	<a href="#">802.3bt Type 3 PoE++</a>

## Antenna Specifications

Start Frequency

600 MHz

Stop Frequency

4200 MHz

Polarisation

[Dual Slant ±45°](#)

Input Impedance

50 Ω

Frequency Test Data

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

Subtype

[Cellular Modem](#)

Min. Operating Temperature

-30 °C

Max. Operating Temperature

70 °C

Ingress Protection

[IP67](#)

Dimensions

400 × 71.7 × 430 mm

Weight

4.22 kg

Compliance/Certifications

[CE](#)

,

[RCM](#)

,

[RoHS](#)

Power Specifications

Max. Consumption

90 W

Power Options

Power over Ethernet

Typical Consumption

9 W

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