



# 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.



#### 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	DL Category:	Cat 22
LTE Bands:	B1	UL Category:	Cat 20
B2	ı	Carrier Aggregation:	7C CA
, B3			
, B4			
, B5			
, B7			
, B8			
, B12			
, B13			
, B14			
, B17			
B20			
, B25			
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B38			
B39			
B40 ,			
B41 ,			
B42			
B43			

# 5G Sub-6 GHz Specifications 5G Bands: MIMO: 4x4 MIMO n1 n2 n3 n5 n7 n12 n20 n25 n28 n38 n40 n41 n48 n66 n71 n77 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 ±45°
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	1
		, RoHS	

# Power Specifications

Max. Consumption: 90 W Typical Consumption: 9 W

Power Options: Power over Ethernet

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