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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 , B2 , B3 , B4 , B5 , B7 , B8 , B12 , B13 , B14 , B17 , B20 , B25 , B26 , B28 ,

B29
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B30
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B32
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B38
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B39
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B40
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B41
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B42
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B43
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B46
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B48
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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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n25
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n28
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n38
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n40
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n41
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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
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
Stop Frequency
4200 MHz
Polarisation
Dual Slant ±45°
Input Impedance
50 Ω
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
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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