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Cellferno M1200 4G Outdoor CPE - 600 Mbps LTE

SKU
CPE-CL-00011
MPN
M1200

Description

Designed to provide near-gigabit wireless broadband, this all-outdoor modem incorporates the latest Sierra Wireless Cat-12 4G module and an AAS MIMO antenna system integrated with an IP66 weatherproof enclosure.

- Cat-12 – Speeds up to 600 Mb/s
- 60 MHz 3C CA with 256QAM
- FDD+TDD LTE-A Pro including Supplemental Downlink (SDL) bands
- Backwards compatible with legacy 3G networks

The M1200 is equipped with an LTE-Advanced Pro Cat-12 chipset supporting 4T2R multi-antenna technology. Operating on all major 4G bands throughout Australia, Europe, United States, and abroad this unit stands ready to deliver near-gigabit wireless access to areas beyond the ordinary footprint of high speed 4G networks.

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Cellferno's M1200 Active Antenna is a true disruptor, eliminating the need for complicated antennas and cables. Plug-and-play using an ordinary ethernet cable, the unit can be self-installed in a matter of minutes. The unit is one of few capable of realising the true power of LTE-A Pro and remains to date the only Cat-12 ODU on the market.

Being able to stand up to harsh Australian conditions was at the front of mind when this product was designed, operating in temperatures up to 65°C, rugged stainless steel mount, IP66 protection and an in-built heater for clearing ice makes the M1200 ideal for mission-critical applications.

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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
3G UMTS, 4G LTE
Chipset/Module
Sierra Wireless EM7565

4G LTE Specifications

MIMO
2x2 MIMO
LTE Bands
B1
,
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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B9
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B12
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B13
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B18
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B19
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B20
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B26
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B28
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B29
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B30
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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
DL Category
Cat 12
UL Category
Cat 13
Carrier Aggregation
2C CA
SIM Cards

Quantity	SIM Type
1	Standard SIM (2FF)

Ethernet Interfaces

Interface	Quantity	Function	Signalling	PoE Input
RJ45 Copper	1	LAN	100BASE-T, 1000BASE-T	Passive PoE

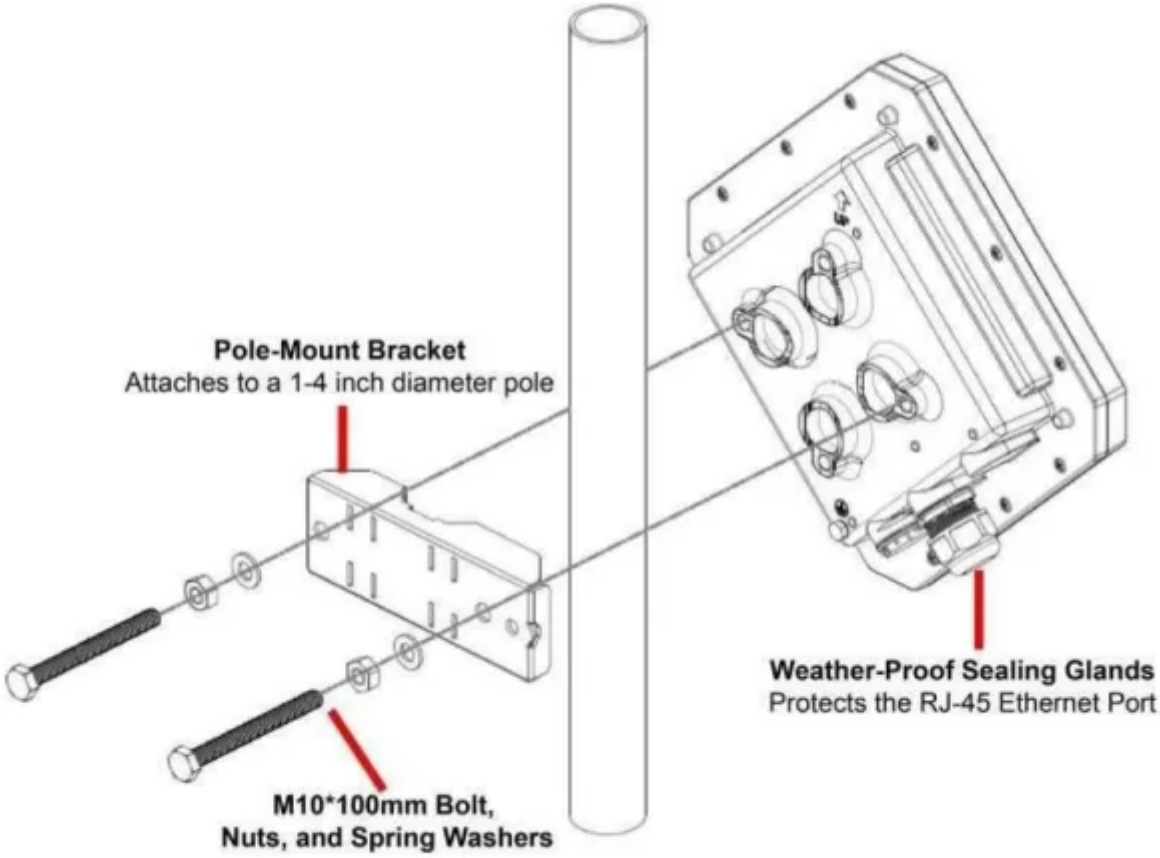
Antenna Specifications
Start Frequency
698 MHz
Stop Frequency
6000 MHz
Polarisation
Dual Slant ±45°
Input Impedance
50 Ω
Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth	Elevation	F/B Ratio

698 MHz	960 MHz	5 dBi	< 2:1	90°	90°	> 10 dB
1695 MHz	2200 MHz	8 dBi	< 2:1	70°	70°	> 10 dB
2200 MHz	2700 MHz	10 dBi	< 2:1	50°	50°	> 10 dB

Physical Specification

Subtype
Cellular Modem
Min. Operating Temperature
-40 °C
Max. Operating Temperature
65 °C
Ingress Protection
IP67
Dimensions
247 × 247 × 107 mm
Weight
1.5 kg
Materials
Aluminium Die Cast
Mounting
Pole Clamp 25 to 63 mm ⌀
Compliance/Certifications
R-NZ
,
RCM
Power Specifications
Power Options
Power over Ethernet
Drawing



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