

Powertec Wireless Technology ABN: 42 082 948 463 PO Box 1034, Ashmore City Queensland, Australia, 4214 sales@powertec.com.au 1300 769 378

# Cellferno M1200 4G Outdoor CPE - 600 Mbps LTE

SKU: CPE-CL-00011 MPN: M1200

### Description

Designed to provide near-gigabit wireless broadband, this alloutdoor 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.

### Read More

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



#### 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	DL Category:	Cat 12
LTE Bands:	B1	UL Category:	Cat 13
B2	,	Carrier Aggregation:	2C CA
, B3			
, B4			
, B5			
,			
B7			
B8			
B9			
B12			
B13			
, B18			
,			
B19			
B20			
, B26			
, B28			
,			
B29			
, B30			
, B40			
B41 ,			
B42			
, B43			
,			
B46 ,			
B48			
, B66			

# 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	Polarisation:	Dual Slant ±45°
Stop Frequency:	6000 MHz	Input Impedance:	50

### 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

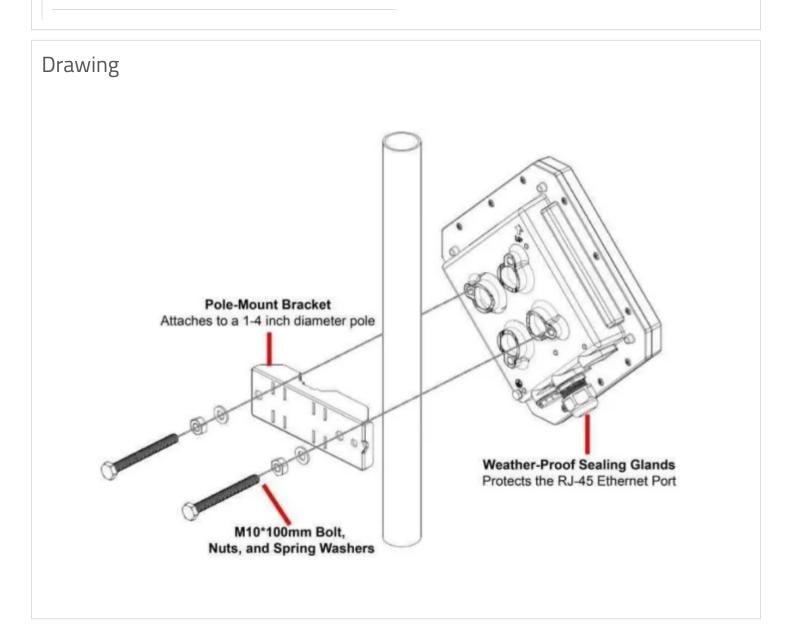
# **Physical Specification**

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

### **Power Specifications**

Power Options:

Power over Ethernet



Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

