

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



Network Interfaces

Wireless Interfaces

Cellular Module

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

MIMO:	2x2 MIMO	DL Category:	Cat 12
LTE Bands:	B1	UL Category:	Cat 13
B2	,	Carrier Aggregation:	2C CA
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B3			
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B48			
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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 $\pm 45^{\circ}$
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

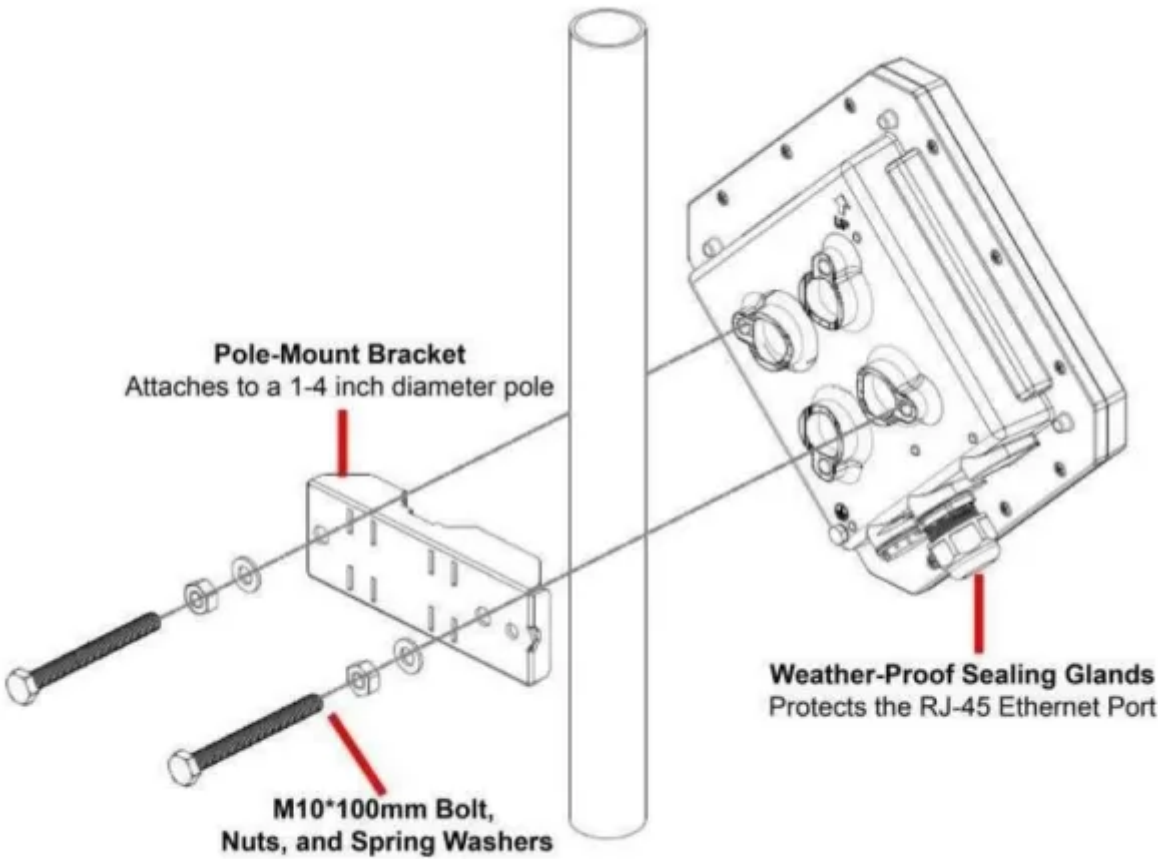
Physical Specification

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	

Power Specifications

Power Options: Power over Ethernet

Drawing



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