

Beam LTE Bundle 2

The Beam LTE Off-Road Bundle, combines the Beam MG200 LTE Gateway with the LTE714 Whip Antenna to deliver outstanding performance, suiting vehicles that often drive out to fringe and rural locations. The Beam LTE Off-Road Bundle is ideal for 4WD, SUV and Truck applications.

Beam LTE Off-Road Bundle (MG200-ORB)

The Beam LTE Off-Road Bundle, combines the Beam MG200 LTE Gateway with the Beam LTE714 Whip Antenna to deliver outstanding performance, suiting vehicles that often drive out to fringe and rural locations.

The Beam LTE Off-Road Bundle is ideal for in-vehicle applications as the unique antenna has a quick and simple Whip Antenna removal function for low height environments. This bundle is suitable to operate across all mobile 4G networks in Australia.

The Beam LTE714 Whip Antenna is a highly durable and robust antenna and is weatherproof, designed for harsh environments.

The Beam LTE Fixed Installation bundle is also compatible with the Beam MG400 LTE Gateway, ask us about this upgrade solution.



Key Features

- Simple and affordable high-speed connectivity
- 4G LTE Category 13 (up to 391Mbps DL) with failover to 3G
- Dual SIM failover protection
- Location tracking with GPS
- Wi-Fi access point and hotspot functionality
- Industrial design for vehicle environments
- High gain whip antenna for robust communication even in rural low coverage areas
- Vibration and shock resistant



APPLICATIONS



4WD



Truck

Technical Specifications

MG200 LTE GATEWAY

PHYSICAL SPECIFICATIONS

Dimensions	mm (L x W x H)	inches (L x W x H)
Unit (w/o Bracket kit)	131 x 99 x 31	5.2 x 3.9 x 1.2
Unit (with Bracket kit)	167 x 99 x 39	6.6 x 3.9 x 1.5
Outer Box	278 x 247 x 69	10.94 x 9.72 x 2.60
Weight	kgs	lbs
Unit	0.625	1.377

ENVIRONMENTAL SPECIFICATIONS

Temperature	Degrees °C	Degrees °F
Operating Range	-30° to +70°	-22° to +158°
Storage	-40° to +85°	-40° to +185°
Humidity	10%~95% (non condensing)	

RF CHARACTERISTICS

LTE Module	1 x LTE-Cat.13, 2 x SIM, with GNSS
Ethernet	2 x RJ45 FE
Wi-Fi	802.11n 2T2R (2.4GHz)
Log Storage	1 x MicroSD Card Slot
Power Input	1 x DC 9V ~ 36V (Terminal Block)
Antenna Con.	Power Input
Power Input	2 x SMA (F)-LTE, 2 x SMA(M)-Wi-Fi, 1 x SMA(F)-GPS

WAN & UPLINK

WAN	Cellular & Config. Ether-WAN; Failover, Load Balance,
Cellular	3GPP, 3G/LTE, IP Pass-through, IPv4/6
Ether-WAN	Dynamic IP, Static IP, PPPoE, PPTP, L2TP
Network Monitor	ICMP/DNS Query

WI-FI SPECIFICATIONS

Standard	2.4GHz MIMO 802.11n
Mode	AP Router, WDS, WDS Hybrid Modes
Functions	Multi-SSID, WMM
Security	WEP, WPA,WPA2, WPA-PSK, WPA2- PSK, 802.1x
Captive Portal	Wi-Fi hotspot

CERTIFICATIONS

EMC	EN 55032, ETSI EN 301 489-1, ETSI EN 301 489-17, EN 301489-52
Radio	ETSI EN 300 328, AS/ACIF S042.1 & AS/CA S042.4
Safety	AS/NZS 2772.2, IEC62368

LTE714 WHIP ANTENNA

PHYSICAL SPECIFICATIONS

Color	Black	
Material	Flexible PCB	
Cable Length (m)	5	
Dimensions	mm (L x W x H)	inches (L x W x H)
Unit	1210 (L) Radome Ø 15.6-22.5	47.63 (L) Radome Ø 0.61-0.88
Packing Dimensions	1270 x 120 x 40	50 x 4.72 x 1.57
Weight	kgs	lbs
Unit	1.25	2.75
Packing Weight	1.3	2.86

ENVIRONMENTAL SPECIFICATIONS

Temperature	Degrees °C	Degrees °F
Operating Temperature	-40° + 85°C	-40° to + 185°F

ANTENNA SPECIFICATIONS

Frequency (MHz)	698-960 / 1710-2170 / 2300-2700
Gain (dBi)	7.5/4.5/5.5
Polarization	Vertical
Antenna Type	Cellular/LTE
V.S.W.R (dB)	<2.5:1
Impedance (ohm)	50
Max Input Power (W)	10
Radiation Pattern	Omni-Directional

LTE OFF-ROAD BUNDLE

KIT CONTENTS

1 x Beam MG200 LTE Gateway
2 x Cellular Antennas
2 x Wi-Fi Antenna
1 x Terminal Block (2-pin for DC Power)
2 x Mounting Brackets
1 x Screw Bag
1 x Din Rail Bracket with Screws
1 x Spare Device Label
1 x AC Power Adapter with AU Plug
1 x Fused Power Cable
4 x Rubber Feet
1 x MG200 LTE Gateway Quick Start Guide
1 x Beam LTE714 Whip Antenna with 5m Cable
1 x LTE151 Bull Bar Mount 45mm
1 x Beam RST708 GPS Antenna with 5m Cable
1 x Beam LTE Off-Road Bundle Installation Guide

