

Beam LTE Bundle 5

The Beam LTE Marine Bundles includes the Beam MG200 LTE Gateway Kit with the Beam LTE710 Stick Antenna. The LTE710 Stick Antenna is splash-, rust-, and weather-proof, specifically designed to withstand the marine environment.

Beam LTE Marine Bundle (MG200-MB5/MG200-MB10)



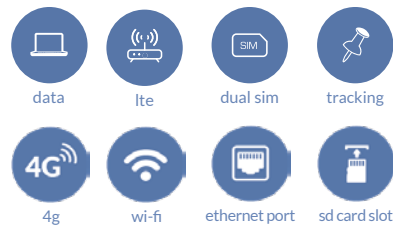
The Beam LTE Marine Bundle includes the Beam MG200 LTE Gateway Kit with the Beam LTE710 Stick Antenna. The LTE710 Stick Antenna is splash-, rust-, and weather-proof, specifically designed to withstand the marine environment. This high gain omni-directional antenna is ideal to get the best possible coverage at sea (e.g. near coast vessels). The antenna can also be deployed for land applications and M2M/IoT installations.

2 Options Available:

- MG200 Marine 5 (MG200-MB5):
 - Beam MG200 LTE Gateway Kit
 - Beam LTE710 Stick Antenna
 - Beam LTE931 5m Cable
 - LTE141 Mast/Rail Mount Bracket
- MG200 Marine 10 (MG200-MB10):
 - Beam MG200 LTE Gateway Kit
 - Beam LTE710 Stick Antenna
 - Beam LTE932 10m Cable
 - LTE141 Mast/Rail Mount Bracket

Key Features

- Simple and affordable high-speed connectivity
- 4G LTE Category 13 (up to 391Mbps DL) with failover to 3G
- Dual SIM failover protection
- Integrated GPS (optional GPS antenna)
- Wi-Fi access point and hotspot functionality
- Industrial design for marine environments
- Onni-directional high gain antenna for increased coverage
- Vibration and shock resistant



APPLICATIONS



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°

ENVIRONMENTAL SPECIFICATIONS	
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

LTE710 STICK ANTENNA		
PHYSICAL SPECIFICATIONS		
Color	White and Chrome	
Material	UV Protected PC, PTFE, PE and Chromed Solid Brass	
Mounting Mast or Rail (mm)	Ø 10 - 30	
Dimensions	mm (L x W x H)	inches (L x W x H)
Unit	47 x 32 x 23	1.85 x 1.25 x 0.90
Packing Dimensions	510 x 350 x 60	20.07 x 13.77 x 2.36
Weight	kgs	lbs
Unit	0.3	0.6
Packing Weight	1	2.2

ENVIRONMENTAL SPECIFICATIONS		
Temperature	Degrees °C	Degrees °F
Operating Range	-55°C + 70°C	-131°F + 251°F

ANTENNA SPECIFICATIONS	
Frequency (MHz)	450 - 470 MHz, 698 - 960 MHz, 1427 - 1518 MHz, 1710 - 2170 MHz, 2500 - 2690 MHz, 3300 - 3800 MHz
Gain (dBi)	3 dB (Marine), 0 dBd, 2.15 dBi (450-470/698-960 MHz) 6 dB (Marine), 3 dBd, 5.15 dBi (1427-1518/1710-2170 MHz) 10 dB (Marine), 7 dBd, 9.15 dBi (2412- 2690/3300-3800 MHz)
Polarization	Vertical
Antenna Type	Cellular/LTE
V.S.W.R (dB)	< 3.0:1 (450 - 470 / 790 - 960 MHz), < 2.5:1 (1427- 2690 MHz/ 3300 - 3800 MHz)
Impedance (ohm)	50
Max Input Power (W)	40
Radiation Pattern	Omni-Directional

LTE MARINE BUNDLE	
KIT CONTENTS	
MG200 Marine 5 (MG200-MB5)	MG200 Marine 10 (MG200-MB10)
1 x Beam MG200 LTE Gateway	1 x Beam MG200 LTE Gateway
2 x Cellular Antennas	2 x Cellular Antennas
2 x Wi-Fi Antenna	2 x Wi-Fi Antenna
1 x Terminal Block (2-pin for DC Power)	1 x Terminal Block (2-pin for DC Power)
2 x Mounting Brackets	2 x Mounting Brackets
1 x Screw Bag	1 x Screw Bag
1 x Din Rail Bracket with Screws	1 x Din Rail Bracket with Screws
1 x Spare Device Label	1 x Spare Device Label
1 x AC Power Adapter with AU Plug	1 x AC Power Adapter with AU Plug
1 x Fused Power Cable	1 x Fused Power Cable
4 x Rubber Feet	4 x Rubber Feet
1x MG200 LTE Gateway Quick Start Guide	1x MG200 LTE Gateway Quick Start Guide
1 x Beam LTE710 Stick Antenna	1 x Beam LTE710 Stick Antenna
1 x Beam LTE931 5m Cable	1 x Beam LTE932 10m Cable
1 x LTE141 Mast/Rail Mount bracket	1 x LTE141 Mast/Rail Mount bracket
1 x Beam LTE Marine Bundle Installation Guide	1 x Beam LTE Marine Bundle Installation Guide

