

MG400 LTE Gateway

MG400

LAND Solutions

SEA Solutions



MG400 LTE Gateway MG400



The Beam MG400 LTE Gateway (4G LTE Cat 13) is a reliable high-quality grade router for industrial and vehicular environments. It is designed to meet solutions that require high-speed and reliable data connectivity where connections may be unavailable or unsuitable for the application. Dual Sim capability allows an always on connection by using 2 networks.

Vibration and shock resistant, the MG400 is ideal for all types of transportation, whether used in industrial mining to the latest automobile technology.

It is also designed to withstand freezing to super hot temperatures and harsh environments, ensuring that the device will continue to operate under extreme conditions.

It delivers high-speed 4G LTE (Cat 13) and Wi-Fi virtually anywhere, offering fast connectivity to upload large data and provides high-performance.

The Beam MG400 enables WAN connectivity for moving vehicles and delivers reliable bi-directional communication for other on-board electronic devices. Intelligent network monitoring allows Beam MG400 to re-connect automatically or fail over to an alternative SIM.

Key Features

- 4G LTE Category 13 (up to 391Mbps DL) with failover to 3G
- Dual Wi-Fi
- Dual SIM
- Integrated GPS (optional GPS antenna)
- 3 Gigabit Ethernet ports
- I/O and RS232 ports to read and control remote sensors and equipment
- Wi-Fi access point and hotspot functionality
- Industrial design for harsh environments - land and maritime (fixed and mobile)
- Tough environmental specs
- Ignition sense and a wide range of input voltages for vehicle and boat installations
- Optional high gain antennas for increased coverage

Device Features



Status LEDs

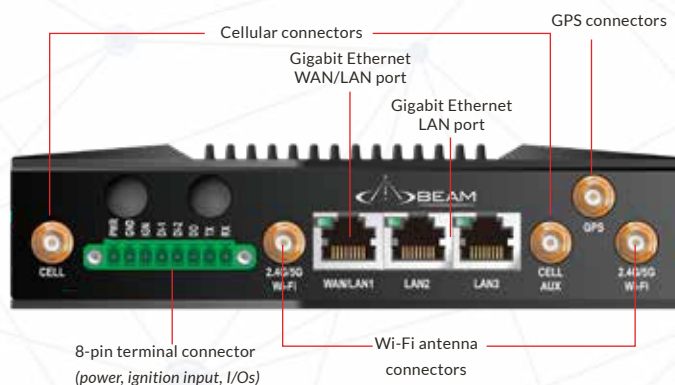
USB port



SIM card slot A

SIM card slot B

Reset button



Cellular connectors

GPS connectors

Gigabit Ethernet WAN/LAN port

Gigabit Ethernet LAN port

8-pin terminal connector (power, ignition input, I/Os)

Wi-Fi antenna connectors



Dual SIM



Dual Wifi



GPS



4G



Ignition Sense



Gigabit Ethernet



Durable



2 Year Warranty

Technical Specifications

DEVICE INTERFACE	
LTE Module	1*LTE-Cat.13, 2*SIM, with GNSS
Ethernet	3*RJ45 GE
Wi-Fi	1*11n-2*2, 1*11ac-2*2 High Power
Field Bus	1*RS232 (TX/RX)
Log Storage	1*USB
I/O	2*DI ("Logic 0": 0~1V, "Logic 1": 5V~30V), 1*DO (Relay Mode, maximum voltage is 36V)
Power Input	1* DC 9V ~ 36V (Terminal Block)
Antenna Con.	2*SMA (F)-LTE, 2*SMA(M)-WiFi, 1*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
Wi-Fi uplink	Auto AP scan, profile for APs link priority
Network Monitor	ICMP/ DNS Query
Wi-Fi	
Standard	802.11 Industry Compliance
Mode	AP Router, WDS, WDS Hybrid Modes
Functions	Multi-SSID, WMM
Security	WEP, WPA, WPA2, WPA-PSK, WPA2-PSK, 802.1x
Captive Portal	External & Internal web portal

ENVIRONMENT 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)	
PHYSICAL SPECIFICATIONS		
Dimensions	mm	inches
Unit (w/o Bracket kit)	160 x 125 x 47	6.3 x 4.9 x 1.85
Unit (with Bracket kit)	200 x 125 x 48	7.9 x 4.9 x 1.9
Outer Box	278x 247x 66	10.94 x9.72 x 2.6
Weight	kg	lbs
Unit	0.965	2.127
CERTIFICATIONS		
EMC	EN 55032, ETSI EN 301 489-1, ETSI EN 301 489-17, EN 301489-52	
Radio	ETSI EN 300 328, ETSI EN 301 893, AS/ ACIF S042.1& AS/CA S042.4	
Safety	AS/NZS 2772.2, IEC62368	
KIT CONTENTS		
1 x MG400 Gateway LTE		
2 x Cellular Antennas		
2 x WiFi Antenna		
1 x Terminal Block (8-pin for DC Power, IGN, DI/DO, RS232)		
2 x Mounting Brackets		
1 x Screw Bag		
1 x spare device label		
1 x AC power adapter with AU plug		
1 x fused DC power cable with IGN (ignition wire)		
Quick Start Guide		

Applications



INDUSTRIAL



MARITIME



TRANSPORT



UTILITIES



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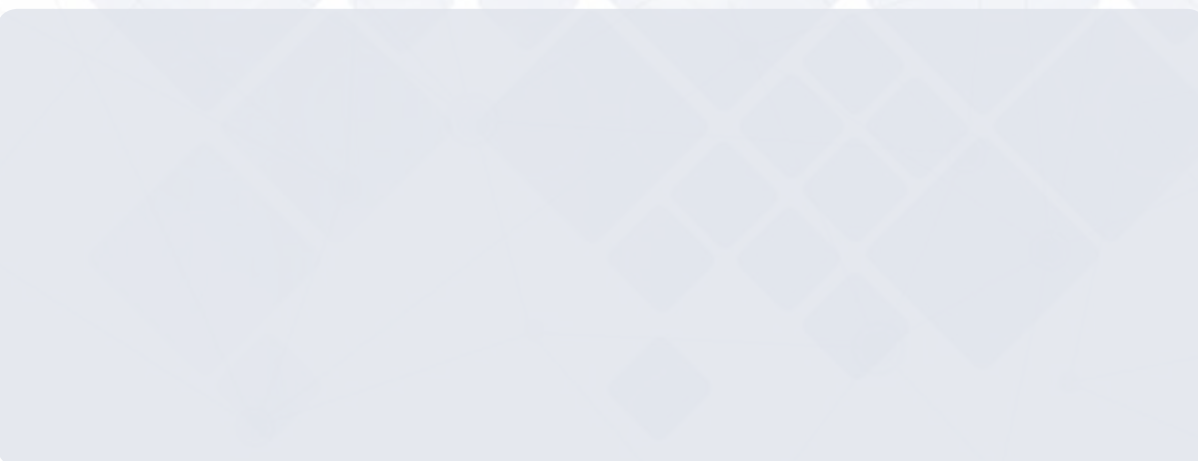
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APPROVED BEAM RESELLER



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