



GBLG20 Datasheet

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Right Grease | Right Amount | Right Time

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1 Overview

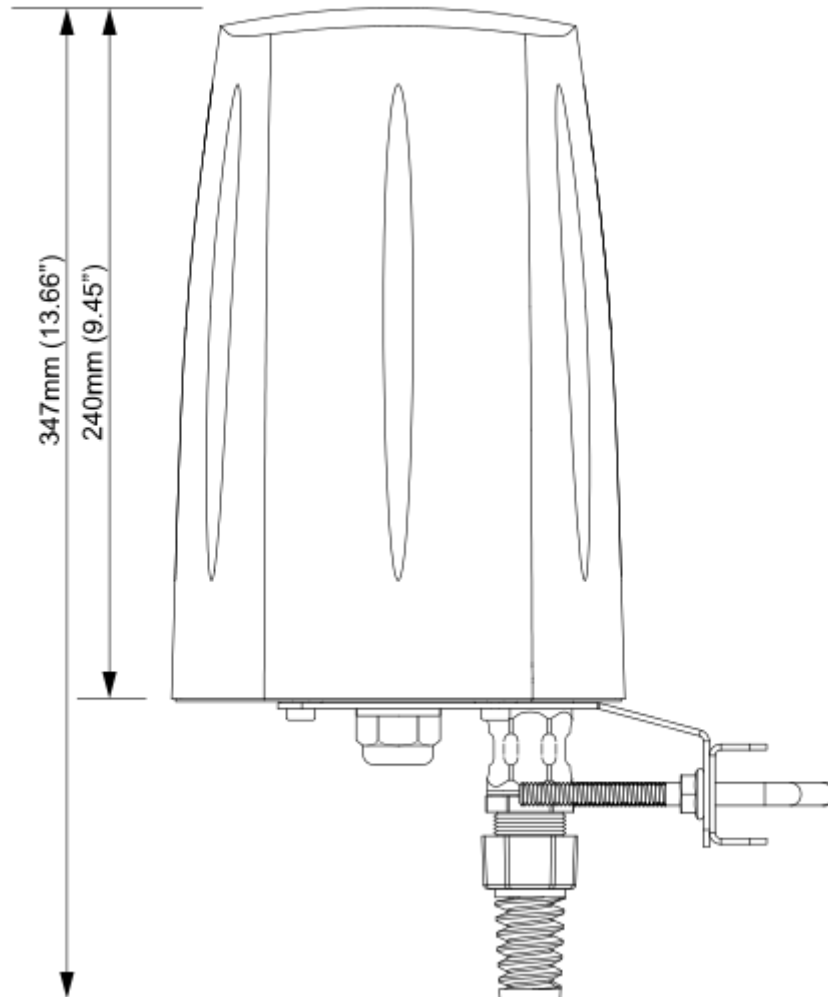
- All antennas are integrated into the enclosure
- Outdoor IP67 works in any weather conditions (Ensuring tail gland is fitted properly)
- Passive PoE Support
- Easy to install with included pole mount kit
- Dual Sim card failover

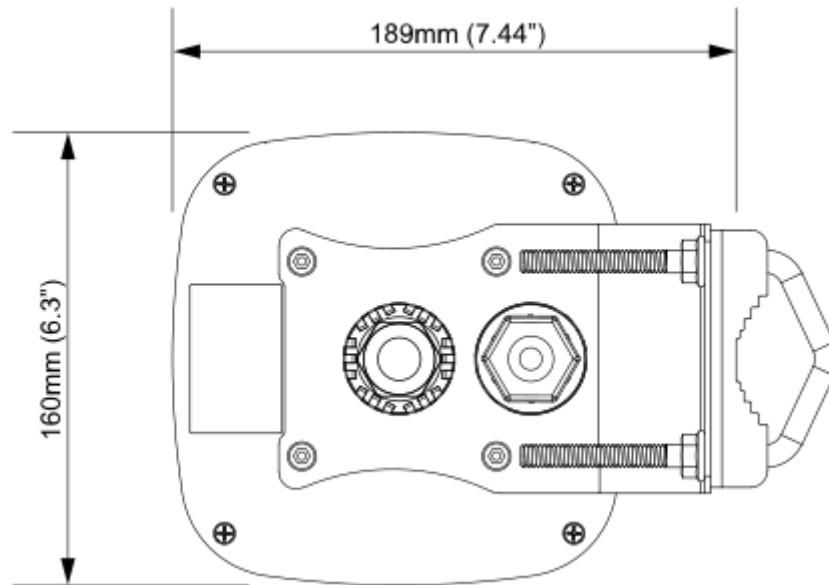


2 Mechanical Specification

Materials	ABS, Aluminium, PTFE
Connector Type	RJ45
Ingress Protection	IP67
Dimensions	160 x 160 x 240 mm 6.3 x 6.3 x 9.45 inch
Weight	1.5 kg 3.31 lbs
Operating Temperature	From -40 °C to +75 °C From -40 °F to 167 °F

3 Dimensions



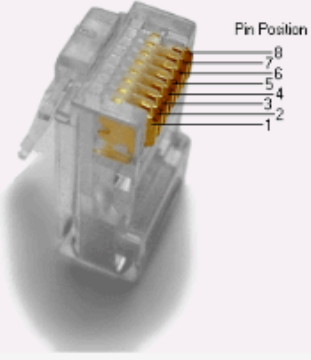


















4 Powering

The GreaseBoss gateway may be powered using passive power over ethernet (PoE) through the RJ45 port. Ensure the following pinout is used.

RJ45 pinout:

Pin	10/100 mode B, DC on spares	T568A Color	T568B Color	Pins on plug face (socket is reversed)
1	TX+	 white/green stripe	 white/orange stripe	
2	TX-	 green solid	 orange solid	
3	RX+	 white/orange stripe	 white/green stripe	
4	DC+ 9-50 VDC	 blue solid	 blue solid	
5	DC+ 9-50 VDC	 white/blue stripe	 white/blue stripe	
6	RX-	 orange solid	 green solid	
7	DC-	 white/brown stripe	 white/brown stripe	
8	DC-	 brown solid	 brown solid	

5 Antenna Specifications

5.1 LTE

Frequency	0.694 - 0.96 GHz
	1.7 - 2.2 GHz
	2.2 - 2.7 GHz
Supported LTE/5G bands	1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 53, 65, 66, 67, 68, 69, 85, 103, n80, n81, n82, n83, n84, n86, n89, n90, n95, n97, n98, n100, n101, n256
Gain	0.694 - 0.96 GHz : 2 dBi
	1.7 - 2.2 GHz : 2 dBi
	2.2 - 2.7 GHz : 4 dBi
VSWR	<1.60, max <2.00
Beamwidth	360°/35° ±5°
Polarization	Vertical
Impedance	50 Ω

5.2 WiFi

Frequency	2.40 - 2.50 GHz
	4.70 - 6.00 GHz
Gain	2.40 - 2.50 GHz : 6 dBi
	4.70 - 6.00 GHz : 7 dBi
VSWR	<1.70, max <2.00
Beamwidth	360°/25° ±5°
Polarization	Vertical
Impedance	50 Ω

5.3 Bluetooth

Frequency	2.20 - 2.70 GHz
Gain	2 dBi
VSWR	<1.70, max <2.00
Beamwidth	360°/25° ±5°
Polarization	Vertical
Impedance	50 Ω

6 Additional Documents

Document	Attachment
RUTX11 Datasheet	<div><div></div><div>rutx11-datasheet-v12.pdf</div></div>
QuSpot Datasheet	<div><div></div><div>Datasheet-QuSpot-for-RUT...</div></div>