

gotenna MESH

Spec Sheet for Mesh

General	
Radio Dimensions HxWxD	5 x 1.25 x 0.5 in
Weight	1.7 oz
FCC ID	2ABVK80085
IC ID	21842-GTISM01
CE	Approved*
Intrinsic Safety	N/A
Battery	
Battery Life (Standby)	Up to 27 hours
Battery Life (Nominal)	Up to 24 hours**
Battery Capacity	LiPo, 589mAh, 2.18Wh
Charge Time	3 hours
Receiver	
UHF Frequency (FCC/IC)	902 - 928 MHz
UHF Frequency (CE)	869.425 - 869.625 MHz
Channel Spacing	25kHz
Frequency Stability (-30°C, +60°C, +25°C Ref)	2.5ppm
Low Power Output	0.5 W
High Power Output	1 W
Modulation	GFSK
Digital Sensitivity (1% BER)	-106 dBm
Transmitter	
UHF Frequency (FCC/IC)	902 - 928 MHz
UHF Frequency (CE)	869.425 - 869.625 MHz
Channel Spacing	25kHz
Frequency Stability (-30°C, +60°C, +25°C Ref)	2.5ppm
Low Power Output	0.5 W
High Power Output	1 W
Modulation	GFSK
Environmental	
Operating Temperature	-20 to 60 C
Storage Temperature	-30 to 60 C
Mesh Networking	
Mesh Networking Protocol	Aspen Grove™
Hop Limit	6***
Payload Size	235 Bytes Max
Additional	
UHF Antenna	0 dBi gain, Linear, Inverted-F
Bluetooth	BLE 5.0 & BLE 4.0+
USB Port	Micro USB 2.0

* See: <https://www.gotenna.com/pages/legal>

** Depends on number of units in the network, number of hops, and how often transmission occurs

*** May require subscription

