goTenna PRO-X

Spec Sheet

General	
Radio Dimensions HxWxD	5.5 x 1.2 x 0.75 in / 13.46 x 2.75 x 1.78 cm
Weight	98 g
FCC ID	2ABVK37337
IC ID	21842-37337
CE	Approved*

Mesh Networking	
Mesh Networking Protocol	Aspen GroveTM
Hop Limit	6
Payload Size	235 Bytes Max

Transceiver	
VHF Frequency	142 to 175 MHz**
UHF Frequency	445 to 480 MHz
Occupied Bandwidth	4.54 kHz (6.25 kHz channels), 7.28 kHz (12.5 kHz channels), 11.8 kHz (25 kHz channels) (User Selectable)
Frequency Stability (-30°C, +60°C, +25°C Ref)	2.5ppm
Sensitivity (1% BER, 6.25 kHz)	-116 dBm
Sensitivity (1% BER, 25 kHz)	-107 dBm
Power Output Settings	0.5W, 1.0W, 2.0W, 5.0W (27dBm, 30dBm, 33dBm, 37dBm)
Modulation	4GFSK

Environmental	
Operating Temperature	-20 to 60 C
Storage Temperature	0 to 45 C
Ingress Protection	IP68 (10 meters for 30 minutes)
Intrinsic Safety (UL and CSA)	Class I and II, Division 2 Class III, Divisions 1 and 2

Battery	
Battery Life (Standby)	30 + hours
Battery Life (Nominal)	Up to 9 hours***
Battery Capacity	LiPo, 474mAhr, 3.51Whr
Charge Time	3.5 Hours

Interfaces	
Antenna Port	SMA
Bluetooth	BLE 5.0 & BLE 4.0+
USB Port	Micro USB 2.0

* See: https://www.gotenna.com/pages/legal
**VHF is intended for fixed and mobile antenna mounting configurations.
For other configurations, including portable, please contact goTenna
***Dependent on number of units in the network, number of hops, and how often transmission occurs