goTenna PRO

Spec Sheet for Pro & Pro X

General	
Radio Dimensions HxWxD	5.5 x 1.2 x 0.75 in / 13.46 x 2.75 x 1.78 cm
Weight	2.75 oz / 78 g
FCC ID	2ABVK37337
IC ID	21842-37337
CE	Approved*
Intrinsic Safety (UL and CSA)	Class I and II, Division 2 Class III, Divisions 1 and 2

Battery	
Battery Life (Standby)	Up to 44 hours
Battery Life (Nominal)	Up to 9 hours**
Battery Capacity	LiPo, 474mAhr, 3.51Whr
Charge Time	3 Hours

Receiver	
VHF Frequency	142 to 175 MHz
UHF Frequency	445 to 480 MHz
Channel Spacing	6.25kHz, 12.5kHz, 25kHz (User Selectable)
Frequency Stability (-30°C, +60°C, +25°C Ref)	2.5ppm
Low Power Output	0.5 W
High Power Output	5 W
Modulation	4GFSK (Digital)
Digital Sensitivity (1% BER)	-110 dBm

Transmitter	
VHF Frequency	142 to 175 MHz
UHF Frequency	445 to 480 MHz
Channel Spacing	6.25kHz, 12.5kHz, 25kHz (User Selectable)
Frequency Stability (-30°C, +60°C, +25°C Ref)	2.5ppm
Low Power Output	0.5 W
High Power Output	5 W
Modulation	4GFSK (Digital)

Environmental	
Operating Temperature	-20 to 60 C
Storage Temperature	-30 to 60 C
Ingress Protection	IP68

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

Connectors	
VHF Antenna	0 dBi gain, Linear, Rubber Duck
UHF Antenna	0 dBi gain, Linear, Rubber Duck
Antenna Port	SMA
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