

LONG RANGE RADIO SPECIFICATIONS



Emesent's Long Range Radio accessory easily attaches to a compatible Hovermap to increase the connectivity range up to 20 times, for a reach of up to one kilometer with above ground, line of sight flight.* This allows you to reap the full benefits of Hovermap's autonomy and mapping capabilities and extend the range of its applications.



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Ingress Protection	Air-side IP65
Dimensions & Weight	<p>Air-side 10 oz (285g) with 915MHz antennas 9.2 oz (260g) with 2.4GHz antennas 1.25 x 3.70 x 4.72 in (32 x 94 x 120 mm) without antennas</p> <p>Ground-side 24 oz (680g) with battery 2.75 x 2.75 x 5.90 in (70 x 70 x 150mm) without antennas</p>
Operating Frequency & Power	<p>Long Range Link 2.4GHz Model: EU/UK: 2447-2457MHz @ 20dBm EIRP JP: 2447-2457MHz @ 20dBm EIRP AU/NZ/US/CA: 2447-2457 MHz @ 30dBm EIRP 915MHz Model: AU/NZ/US/CA: 916-926 MHz @ 30dBm EIRP</p> <p>Ground-side Wifi Access Point All models: 2437-2447MHz @ 20dBm EIRP</p>

Maximum Tested Distance	<p>2.4GHz Model: EU/UK: 656ft (200 m) JP: 656ft (200 m) AU/NZ/US/CA: 2952ft (900 m) 915MHz Model: AU/NZ/US/CA: 4921ft (1500m)</p> <p><small>*All specified ranges are subject to environment and product configuration</small></p>
Throughput	Up to 20 Mbps
Data Encryption	128-bit AES hardware data encryption
Power	<p>Air-side 9-20V (15W) Ground-side 7.2V (14W)</p>
Operating Temperature	14 °F to 113 ° F [-10 °C to 45 °C]
Hovermap Compatibility	Hovermap ST, Hovermap ST-X
Drone Compatibility	DJI M300, DJI M350