



# Reach RS+ Reach RS2

Comparison chart



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Reach RS+ €999

Reach RS2 €2499

		Reach RS+	Reach RS2
Main features	Frequency bands	Single frequency	Multi-frequency
	Time to first fix	1-2 minutes	~5 seconds
	NTRIP support	Via Wi-Fi Via Bluetooth	Via Wi-Fi Via 3.5G modem Via Bluetooth
	Baseline in RTK mode	Up to 10 km	Up to 60 km
	Baseline in PPK mode	Up to 20 km	Up to 100 k m
	Storage	8 GB	16 GB
	Battery life	30 hours	22 hours
	Ingress protection	IP67	IP67
	Thread size	1/4" (photo tripod thread)	5/8" (survey thread)
GNSS	Tracked signals	GPS/QZSS L1C/A, GLONASS L1OF, BeiDou B1I, Galileo E1-B/C, SBAS	GPS/QZSS L1C/A, L2C, GLONASS L1OF, L2OF, BeiDou B1I, B2I, Galileo E1-B/C, E5b
	Channels	72	184
	Update rate in RTK	14 Hz GPS / 5 Hz GNSS	10 Hz GNSS
	Update rate for RINEX	Up to 14 Hz	Up to 20 Hz
Positioning in RTK mode	Horizontal	7 mm + 1 ppm	7 mm + 0.5 ppm
	Vertical	14 mm + 2 ppm	14 mm + 1 ppm
Connectivity	Radio	LoRa 863-928 MHz	LoRa 863-928 MHz
	USB	Micro-USB	Type-C
	Serial interface	RS-232	RS-232
	Cellular modem	-	Global 3.5G modem
Mechanical	Size	145x145x85 mm	126x126x142 mm
	Weight	690 g	950 g
	Operating t°	-20...+65 °C	-20...+65 °C

More information at [emlid.com](https://www.emlid.com)