




		REACH RS2+	REACH RX	REACH RS+
Positioning	Correction Technique	RTK with precision: H: 7 mm + 1 ppm V: 14 mm + 1 ppm PPK with precision: H: 5 mm + 0.5 ppm V: 10 mm + 1 ppm	RTK with precision: H: 7 mm + 1 ppm V: 14 mm + 1 ppm	RTK with precision: H: 7 mm + 1 ppm V: 14 mm + 2 ppm PPK with precision: H: 5 mm + 0.5 ppm V: 10 mm + 1 ppm
	Convergence time	~5 s typically	~5 s typically	~1-2 min typically
	Base Mode	YES	NO	YES
	Baseline in RTK Mode	Up to 60 km	Up to 60 km	Up to 10 km
	Baseline in PPK Mode	Up to 100 km	-	Up to 30 km
GNSS	Frequency bands	Multi-band	Multi-band	Single-band
	Signal tracked	GPS/QZSS L1C/A, L2C GLONASS L1OF, L2OF BeiDou B1I, B2I Galileo E1B/C, E5b	GPS/QZSS L1C/A, L2C, GLONASS L1OF, L2OF, BeiDou B1I, B2I, Galileo E1B/C, E5b	GPS/QZSS L1, GLONASS G1, BeiDou B1, Galileo E1, SBAS
	Number of Channels	184	184	72
	Update Rate	up to 10 Hz	5 Hz	14 Hz / 5 Hz
Data	Corrections	RTCM3 over LoRA, NTRIP, Serial, TCP or Bluetooth	RTCM3/NTRIP	RTCM3 over LoRA, NTRIP, Serial, TCP or Bluetooth
	Position Output Formats	NMEA, LLH or XYZ	NMEA	NMEA, LLH or XYZ
	Position Output Channels	Bluetooth, Serial, TCP	Bluetooth	Bluetooth, Serial, TCP
	Data Logging	RINEX	NO	RINEX
	Internal Storage	16 GB	NO	8 GB
Connectivity		LoRa Radio, LTE modem, Wi-Fi, Bluetooth, RS-232, USB Type-C	Bluetooth, USB Type-C	LoRa Radio, Wi-Fi, Bluetooth, RS-232, MicroUSB
Electrical	Autonomy	16 hrs as LTE RTK rover, 22 hrs logging	Up to 16 hrs	Up to 30 hrs
	Battery	LiFePO4 6400 mAh, 6.4 V	Li-Ion 5200 mAh, 3.6V, 18.72 Wh	LiFePO4 3.2 V
Mechanical	Dimensions	126 x 126 x 142 mm	172 x 51 x 51 mm	145 x 145 x 85 mm
	Weight	950 g	250 g	690 g
	Ingress protection	IP67	IP68 (maximum depth of 1.5 meters up to 30 minutes)	IP67