



REACH M2 | M+

RTK GNSS modules for precise navigation and UAV mapping

Reach M+

Reach M2

Specifications chart



Mechanical	M+	\$265	M2	\$499
Size	56.4 x 45.3 x 14.6 mm		56.4 x 45.3 x 14.6 mm	
Weight	35 g		35 g	
Operating temperature	-20...+65°C		-20...+65°C	
Electrical				
Input voltage on USB and JST-GH connectors	4.75–5.5 V		4.75–5.5 V	
Antenna DC bias	3.3 V		3.3 V	
Average current consumption at 5V	200mA		200mA	
GNSS				
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	
Update rate	14Hz GPS / 5 Hz GNSS		20 Hz GPS / 10 Hz GNSS	
Tracking channels	72		184	
IMU	9DOF		9DOF	
Connectivity				
Interfaces	USB, UART, Event		USB, UART, Event	
Wi-Fi	802.11 b/g/n		802.11 b/g/n	
Bluetooth	4.0/2.1 EDR		4.0/2.1 EDR	
Data				
Position output	NMEA, LLH/XYZ (RMC, GGA, GSA, GSV)		NMEA, LLH/XYZ (RMC, GGA, GSA, GSV)	
Correction input	RTCM2, RTCM3		RTCM2, RTCM3	
Internal storage	8 GB		16 GB	
Logs	RINEX2.X, RINEX3.X		RINEX2.X, RINEX3.X	
Positioning				
Static	H: 5 mm + 1 ppm, V: 10 mm + 2 ppm		H: 4 mm + 0.5 ppm, V: 8 mm + 1 ppm	
Kinematic	H: 7 mm + 1 ppm, V: 14 mm + 2 ppm		H: 7 mm + 1 ppm, V: 14 mm + 1 ppm	

More information at emlid.com