



REACH M2 | M+

RTK GNSS modules for precise navigation and UAV mapping

Reach M+ Reach M2

Specifications chart



	M+	M2
Mechanical		
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 5 V	200 mA	200 mA
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	14 Hz 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