



REACH M2 | M+

RTK GNSS modules for precise navigation and UAV mapping

Reach M+

Reach M2

Specifications chart



| Mechanical | M+ | \$265 | M2 | \$450 |
|--|---|-------|--|-------|
| 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