



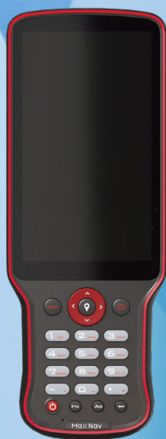
M6

Pocket GNSS Receiver



M7

Visual GNSS Receiver



C50

Data Collector

SPECIFICATION

M6

Pocket GNSS Receiver



M7

Visual GNSS Receiver



Signal Tracking

Channels	1598	1668
GPS	L1C/A, L2P, L1C, L2C, L5	L1C/A, L2P, L1C, L2C, L5
BeiDou	B1I, B2I, B3I, B1C, B2a, B2b, B2b-ppp	B1I, B1C, B2I, B2a, B2b, B3I
GLONASS	G1C, G1P, G2C, G2P, G3	G1C, G1P, G2C, G2P, G3
Galileo	E1, E5b, E5a, E5AltBoc, E6c	E1, E5b, E5a, E5AltBoc, E6c
QZSS	L1C/A, L2C, L5, L1C, L1s, L5s, L6	L1C/A, L2C, L5, L1C, L1s, L5s, L6
NAVIC	L6	L5
SBAS	WAAS, EGNOS, MSAS, GAGAN, SDCM	WAAS, EGNOS, MSAS, GAGAN, SDCM
PPP	Support	Support

Performance Specifications

Mode	Accuracy	Accuracy
Single Baseline RTK	8mm +1ppm Horizontal 15mm +1ppm Vertical	8mm +1ppm Horizontal 15mm +1ppm Vertical
Static and Fast Static	2.5mm +0.5ppm Horizontal 5mm +0.5ppm Vertical	2.5mm +0.5ppm Horizontal 5mm +0.5ppm Vertical
Long Observation Static	3mm +0.1ppm Horizontal 3.5mm +0.4ppm Vertical	3mm +0.1ppm Horizontal 3.5mm +0.4ppm Vertical
DGPS	< 0.4m RMS	< 0.4m RMS
SBAS	0.5m Horizontal 0.8m Vertical	0.5m Horizontal 0.8m Vertical
Standalone	1.5m 3D RMS	1.5m 3D RMS

Communications

Datalink	Tx/Rx with full frequency range from 410~470 MHz; Range: 15 km	Tx/Rx with full frequency range from 410~470 MHz; Range: 15 km
WIFI	802.11b/g/n	802.11b/g/n
Position Data Output Rates	1 Hz, 2 Hz, 5 Hz, 10 Hz, 20 Hz	1 Hz, 2 Hz, 5 Hz, 10 Hz, 20 Hz
Bluetooth®	V 4.0 protocol, compatible with Windows OS and Android OS	V 4.0 protocol, compatible with Windows OS and Android OS
IMU	Calibration-free IMU integrated for tilt survey up to 60°tilt with 2.5 cm accuracy	Calibration-free IMU integrated for tilt survey up to 60°tilt with 2.5 cm accuracy

Physical

Size	130*130*100mm	123*123*70mm
Weight	790g (include battery)	≤900g
Camera	-	Support

Environmental

Operating temperature	-40 °C to + 65 °C (-40 °F to 149 °F)	-30 °C to + 65 °C (-22 °F to 149 °F)
Waterproof and dustproof	IP67, protected from temporary immersion to depth of 1 m	IP68, protected from temporary immersion to depth of 1 m

Electrical

Battery Capacity	5000mAh, 7.4V	5000mAh, 7.4V
Memory	8 GB	4 GB

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