

RECEIVER	
Satellite Tracked	GPS: L1, L2, L2C
	GLONASS: L1, L2
	BEIDOU: B1, B2
	SBAS: L1
Channels	120
Position Rate	5 Hz
Signal Reacquisition	< 1 sec
RTK Signal Initialization	Typically < 10 sec
Hot Start	Typically < 15 sec
Initialization Reliability	> 99.9 %

POSITIONING ¹	
HIGH PRECISION STATIC SURVEYING	
Horizontal	5 mm + 1 ppm RMS
Vertical	10 mm + 1 ppm RMS
CODE DIFFERENTIAL POSITIONING	
Horizontal	0.4 m RMS
SBAS POSITIONING ²	
Horizontal	0.60 m RMS
REAL TIME KINEMATIC ³ – EXTERNAL ANTENNA	
Fixed RTK Horizontal	10 mm + 1 ppm RMS
Fixed RTK Vertical	20 mm + 1.5 ppm RMS
REAL TIME KINEMATIC ³ – INTERNAL ANTENNA	
Fixed RTK Horizontal	20 mm + 1 ppm RMS
Fixed RTK Vertical	30 mm + 2 ppm RMS

INTEGRATED GNSS ANTENNA	
High accuracy four constellation antenna with internal multipath suppressive board	

HARDWARE	
Processor	Cortex-A8-AM33X 1 GHz
RAM	512 MB
Flash Memory	32 GB
External Storage	8 GB included
Operation System	Windows Mobile 6.5 Professional
E-Compass	Yes
Display	TFT colors, LED backlight
Resolution and Size	640 × 480 - 3.7"
Camera	AF 5MP
Image Format	JPG (2048×1536)
Video Mode	QVGA Resolution - WMV

INTERNAL MODEM	
Band	GSM/GPRS/EDGE: 850/900/1800/1900 MHz WCDMA/HSDPA: 800/850/900/1900/2100 MHz

COMMUNICATION	
I/O Connectors	Multifunction cable with USB interface for PC connection Connector for external antenna
Bluetooth	2.1+EDR
Wi-Fi	802.11 b/g
Reference outputs	RTCM 2.1, 2.3, 3.0, 3.1 CMR, CMR+, RTCA

POWER SUPPLY	
Battery	Rechargeable and replaceable 11.1 V – 2500 mAh Intelligent lithium battery
Working Time	Up to 8 hours
Charge Time	Typically 4 hours

PHYSICAL SPECIFICATION	
Dimensions	234 mm x 99 mm x 56 mm
Weight	895 gr (with battery)
Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Storage Temperature	-30°C to 70°C (-22°F to 158°F)
Waterproof/Dustproof	IP65
Shock Resistance	Designed to endure to a 1.2 m pole drop on concrete floor with no damage

STANDARD ACCESSORIES	
Soft Bag, Charger Adapter, USB Cable, Rear Hand-strap, Battery, Stylus Pen with String, Screen Protector	

OPTIONAL ACCESSORIES	
Carbon fiber pole, Telescopic pole, Backpack kit for external antenna, External antenna L1/L2, External antenna cable (1.6 m, 2 m, 5 m), Holder for pole, Carrying case	

Illustrations, descriptions and technical specifications are not binding and may change

1. Accuracy and reliability are generally subject to satellite geometry (DOPs), multipath, atmospheric conditions and obstructions.
2. Depends on SBAS system performance.
3. Network RTK precision depends on the network performances and are referenced to the closest.