

RECEIVER	
Satellite Tracked	GPS: L1
	GLONASS: L1
	BEIDOU: B1
	QZSS: L1
	SBAS: L1
Channels	372
Position Rate	Up to 20 Hz
Signal Reacquisition	< 1 sec
RTK Initialization	Typically > 10 min
Hot Start	Typically < 15 sec
Initialization Reliability	> 99.9 %

## POSITIONING<sup>1</sup>

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

## INTEGRATED GNSS ANTENNA

Three constellation antenna with internal multipath suppressive board
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## HARDWARE

Processor	AM355X
RAM	512 MB
Flash Memory	4 GB
Operation System	Linux

## INTERNAL MODEM

Band	GSM/GPRS/EDGE: 850/900/1800/1900 MHz WCDMA/HSDPA: 800/850/900/1900/2100 MHz
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## COMMUNICATION

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

## POWER SUPPLY

Battery	Rechargeable 3.7 V – 6800 mAh
Working Time	Up to 8 hours (SBAS or Post Proces.) Up to 6 hours (DGPS/RTK with GSM)
Charge Time	Typically 6 hours

## PHYSICAL SPECIFICATION

Dimensions	119 mm x 86 mm x 32 mm
Weight	320 gr
Operating Temperature	-30°C to 65°C (-22°F to 149°F)
Storage Temperature	-40°C to 80°C (-40°F to 176°F)
Waterproof/Dustproof	IP67
Shock Resistance	Designed to endure to a 1.2 m pole drop on concrete floor with no damage

## STANDARD ACCESSORIES

2 pin adapter, 5.35 V/2A, USB cable, Soft bag
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## OPTIONAL ACCESSORIES

Carbon fiber pole, Telescopic pole, External antenna L1, External antenna cable (1.6 m, 2 m, 5 m), Carrying case
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