

Model	<b>QIANXUN Q600 GNSS RTK</b>
<b>GNSS</b>	
Satellite system	BDS/GPS/GLONASS/GALILEO/QZSS/SBAS
Channels	1520
Static accuracy	Horizontal: $\pm (2.5+0.5\times 10^{-6}D)$ mm
	Vertical: $\pm (5+0.5\times 10^{-6}D)$ mm
RTK accuracy	Horizontal: $\pm (8+1\times 10^{-6}D)$ mm
	Vertical: $\pm (15+1\times 10^{-6}D)$ mm
XStar accuracy	Horizontal: $\pm 2.5$ cm
	Vertical: $\pm 15$ cm
Initialization reliability	99.90%
<b>GNSS + IMU</b>	
Tilt slope	0~60°
Tilt compensation accuracy	8 mm + 0.3 mm/°tilt (accuracy < 2 cm within 30°)
IMU Rate	200 Hz
Special feature	Automatic calculation of centering rod height, centering rod tilt error calibration
<b>Global High-Precision Service</b>	
Satellite base	Supports XStar L-band satellite-based service.
	Time of initialization < 15 min..
<b>User Interaction</b>	
Operating System	Linux
Buttons	Power switch
Indicators	Satellite, power, signal
Voice	Support voice broadcast
Web UI	Support PC and mobile web pages
<b>Wireless Communication</b>	
Bluetooth/Wi-Fi	Supported
Radio mode	Built-in receiving radio
Radio frequency band	415 MHz - 460 MHz
Radio protocol	TrimTalk450S / TrimMark3 / Transparent transmission
Radio transmit power	2W
NMEA output	Support output of NMEA data through physical
	interface and Wi-Fi
<b>Physical</b>	
Size	Φ156mm×86.7mm (with bottom nuts)
Material	Magnesium aluminum alloy
Weight	<1.1kg

Ports	1 Type-C interface (for power supply and data transmission), and 1 SMB interface (for radio antenna)
<b>Electrical</b>	
Battery	Removable dual battery, 6800mAh
Battery life	The rover station can work for 14 hours
External power supply	9-20V DC
<b>Environmental</b>	
Operating temperature	-25°C~+60°C
Waterproof and dustproof	IP67
Fall-resistance	Resistant to fall from a height of 2 m
<b>Handheld Data Controlor</b>	
Operating System	Android 9
CPU	8-core 2.0 GHz processor
Memory	3GB RAM + 32GB ROM
Network	4G Full Netcom
LCD	5-inch multi-touch capacitive screen
Battery	5200 mAh removable battery
Camera	13 Million Auto Focus Camera
Waterproof and dustproof	IP67

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