

Model	QIANXUN Q600 GNSS RTK		
GNSS			
Satellite system	BDS/GPS/GLONASS/GALILEO/QZSS/SBAS		
Channels	1520		
Static accuracy	Horizontal: ± (2.5+0.5×10-6D) mm		
	Vertical: ± (5+0.5×10-6D) mm		
RTK accuracy	Horizontal: ± (8+1×10-6D) mm		
	Vertical: ± (15+1×10-6D) mm		
XStar accuracy	Horizontal: ± 2.5 cm		
	Vertical: ± 15 cm		
Initialization reliability	99.90%		
GNSS + IMU			
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		
Global High-Precision Service			
Satellite base	Supports XStar L-band satellite-based service.		
	Time of initialization < 15 min..		
User Interaction			
Operating System	Linux		
Buttons	Power switch		
Indicators	Satellite, power, signal		
Voice	Support voice broadcast		
Web UI	Support PC and mobile web pages		
Wireless Communication			
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 powe	2W		
NMEA output	Support output of NMEA data through physical		
	interface and Wi-Fi		
Physical			
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)
Electrical	
Battery	Removable dual battery, 6800mAh
Battery life	The rover station can work for 14 hours
External power supply	9-20V DC
Environmental	
Operating temperature	-25°C~+60°C
Waterproof and dustproof	IP67
Fall-resistance	Resistant to fall from a height of 2 m
Handheld Data Controlor	
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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