

## S70G TECHNICAL FEATURES

### RECEIVER

Satellite signals tracked	GPS: L1 C/A, L2C GLONASS: L1, L2 BEIDOU: B1, B2 GALILEO: E1, E5b
Channels	184
Position Rate	5-20 Hz
Protocol	RTCM 3.3
Signal Reacquisition	< 1 s
RTK Signal Initialization	Typically < 10 s
Hot Start	Typically < 15 s
Initialization Reliability	> 99.9 %

### POSITIONING<sup>1</sup>

<b>STATIC SURVEYING</b>	
Horizontal	5 mm + 1 ppm RMS
Vertical	10 mm + 1 ppm RMS
<b>REAL TIME KINEMATIC<sup>2</sup> - SA65 ANTENNA</b>	
Fixed RTK Horizontal	10 mm + 1 ppm RMS
Fixed RTK Vertical	20 mm + 1 ppm RMS
<b>REAL TIME KINEMATIC<sup>2</sup> - SA15 ANTENNA</b>	
Fixed RTK Horizontal	20 mm + 1 ppm RMS
Fixed RTK Vertical	30 mm + 1 ppm RMS

### SYSTEM

Processor	SDM632
Operating System	Android 10
RAM	4GB
Flash Memory	64GB
External Storage	SDHC supported Micro SD

### DISPLAY

Display	8" TFT color, Capacitive
Resolution	1920 x 1200 WUXGA
Brightness	500 Nits

### CAMERA

Rear	13 MP
Front	5 MP

### INTERNAL MODEM

Network	LTE FDD:
	B1/B2/B3/B4/B5/B7/B8/B17/
	B20/B29
	LTE TDD: B38/B39/B40/B41
	WCDMA: B1/B2/B5/B8
	CDMA: B2/B3/B5/B8
	Dual SIM card

- Accuracy and reliability are generally subject to satellite geometry (DOP), multipath, atmospheric conditions and obstructions. In static mode they are subject even to occupation times the longer is the baseline, the longer must be the occupation time.
- Network RTK precision depends on the network performances and are referenced to the closest physical base station.
- Battery life and charging time depend on the user's scenario. Time may vary based on factors such as screen brightness, apps, software, power management, battery condition, etc.

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

STONEX AUTHORIZED DEALER

# STONEX

### INTERNAL SENSOR

G-Sensor	Yes
E-Compass	Yes
Gyroscope	Yes
Light Sensor	Yes

### COMMUNICATION

I/O Connectors	High speed USB Type-C OTG port Connector for external antenna
Bluetooth	4.1
Wi-Fi	802.11 a/b/g/n/ac
NFC	Yes

### POWER SUPPLY

Battery	Rechargeable and replaceable 3.8 V - 8000 mAh
Working Time <sup>3</sup>	Up to 8 hours in operating mode Up to 12 hours in energy saving mode
Charge Time	Typically 5.5 hours

### PHYSICAL SPECIFICATION

Dimensions	235 mm x 146 mm x 13 mm
Weight	598 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	IP67
Shock Resistance	1.2 m drop resistant

### STANDARD ACCESSORIES

Antenna GNSS SA15, Battery, Charger, Strap, Softbag

### OPTIONAL ACCESSORIES

2m Carbon fiber pole, Antenna GNSS SA65, Antenna cable, Bracket for pole, Battery, Battery charger, Car charger adaptor



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## S70G Handheld GNSS RTK

Rugged Android  
GNSS RTK



**S** suite  
**cube**

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