



# P8III

## HIGH-PERFORMANCE RUGGED CONTROLLER

The RinoNav P8III is a high-performance, rugged controller offering comprehensive protection. Powered by a MediaTek industrial-grade chip, it boasts an IP68 rating for harsh environments and an ergonomic design for easy one-handed use. Its 9000mAh battery supports 22 hours of continuous work, while its military-grade construction can withstand 1.5-meter drops. This makes it ideal for outdoor surveying, mapping, and geographic information collection.

### Superior Performance with Advanced Specs

Handle complex data collection tasks smoothly, powered by an 8-core 2.0 GHz MediaTek industrial-grade chip for superior processing speed.

### 9000mAh Long-Lasting Battery

Support 22 hours of continuous operation in field tasks, eliminating concerns about power shortage during long workdays.

### 5.5-inch Sunlight-Readable Screen

Maintain clear visibility under strong sunlight with 500nit brightness, and enable smooth operation even with wet hands, ensuring uninterrupted fieldwork in diverse weather conditions.

### IP68 Protection for Extreme Environments

Withstand heavy rain, dust, and harsh conditions even when the charging port rubber plug is open, ensuring reliability in extreme outdoor scenarios.

### Powerful Audio in Noisy Sites

Ensure clear transmission of voice prompts and instructions in noisy environments, via the powerful built-in audio system.

### Full QWERTY Keyboard for Easy Operation

Improve blind operation efficiency in fieldwork, thanks to the physical surveying and mapping keyboard designed for intuitive use.

# Product Specification

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System	
Processor	MTK G85 octa-core 2.0 GHz
OS	Android 14
Memory	4GB
ROM	64GB

Screen	
Screen size	5.5"
Resolution	1920 x 1080
Brightness	500 nits
Touch panel	Capacitive

Camera	
Rear	13 MP
Flash light	Support
Auto focus	Support

GNSS	
Tracking	GPS, BDS, GLONASS, GALILEO
Accuracy	Single: 1 - 3 m

Communication	
GSM	<ul style="list-style-type: none"> <li>■ GSM: 850/900/1800/1900</li> <li>■ WCDMA: B1/B2/B4/B5/B8</li> <li>■ LTE-TDD: B34/B38/39/B40/B41</li> <li>■ LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12 /B13/B17/B20/B25/B26/B28/B66</li> <li>■ Nano SIM x 2</li> </ul>
Wi-Fi	802.11 a/b/g/n/ac (2.4 & 5GHz)
Bluetooth	5.0
SD card	Up to 256GB
USB	USB Type-C x 1 Support OTG
NFC	Support

Power Supply	
Battery	Rechargeable Lithium-ion battery 9000 mAh
Working time	22 hours
Charging time	3 hours (90%)
Speaker	Support
Microphone	Support
Light	Support
Proximity	Support
Magnetometer	Support
Barometer	Support
Gyroscope	Support
Accelerometer	Support
Gravity	Support
Compass	Support

Physical	
Dimension	226.3 mm x 90.6 mm x 16.9 mm
Weight With battery	412g
Operating temperature	-20°C - +65°C
Storage temperature	-30°C - +70°C
Water/dust proof	IP 68
Shock	1.5m on marble
Humidity	5%-95% , non-condensing
Buttons	<ul style="list-style-type: none"> <li>■ Power x 1</li> <li>■ Arrow x 4</li> <li>■ Recent key x 1</li> <li>■ Home key x 1</li> <li>■ Return key x 1</li> <li>■ OK x 1</li> <li>■ APP quick button x 1</li> <li>■ Measurement key x 1</li> <li>■ Backspace x 1</li> <li>■ FN x 1</li> <li>■ Dot x 1</li> <li>■ Space key x 1</li> <li>■ 0-9 x 10</li> <li>■ A-Z x 26</li> <li>■ Side key x 1</li> <li>■ Dash x 1</li> <li>■ Aa key x 1</li> </ul>
Certificate	FCC, CE