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GEN2WAVE RS01 Rugged Mobile Computer

GEN2WAVE RS01 Rugged Mobile Computer User Manual

Contents

GEN2WAVE RS01 Rugged Mobile Computer

Specifications

Part	Details
Physical Characteristics	Dimensions: 500 1.6ft, Weight: 0.5m tumbles, IP68, MIL STD 810H (Vibration)
Performance Characteristics	CPU, Memory, Operating System, Operating Temperature, Storage Temperature, Humidity, Drop Tumble, Sealing, Vibration
User Environment	Thermal Shock, Electrostatic Discharge (ESD), Sensor, Barcode Scanning, Camera, NFC, Radio Frequency Bands

Product Usage Instructions

Device Features

- Barcode scanner
- 3.5mm Audio Jack
- LED Indicator
- Proximity / Light Sensor
- Volume Buttons
- Function Buttons
- USIM / MicroSD Slot
- SOS Button
- Receiver MICs

- Front and Rear Cameras with Flash

- Power Button

- LCD / Touch Screen

- Speaker and Microphones

- Pogo Pin

- USB C-Type Port

- Screw Hole for Hand Strap

Card Installation
How to Insert SIM cards and a MicroSD card:

1. Pull out the cover of the USIM(nano) and MicroSD slots.

2. Insert the USIM card and Micro SD card into the slot.

FCC Part 15 Information and Notices
This device complies with part 15 of the FCC Rules. Operation is subject to conditions:

1. This device may not cause harmful interference, and

2. this device must accept any interference received, including interference that may cause undesired operation.

Please pay attention that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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Specification

Part	Item	Details	Part	Item	Details	
	Dimensions	6.61(L) x 3.03(W) x 0.69(H) in. 168(L) x 77(W) x 17.4(H) mm	User Environment	Thermal Shock	MIL STD 810H (-40°F to 158°F/-40°C to 70°C rapid transition)	
	Weight	10.57oz / 300g		Electrostatic Discharge (ESD)	+/- 15kv air discharge, +/- 8kv direct discharge, +/- 8kv indirect discharge	
	Display	5.5in. FHD+, 1080×2160, 650nits				

Physical Characteristics			IST		
	Touch Panel	Dual mode capacitive touch with stylus Corning Gorilla Glass 5		Sensor	Light, Magnetometer, Motion, Pressure, Proximity
	Battery	All-in-one type battery, 4,900mAh Li-polymer	Data Capture	Barcode Scanning	Zebra SE4770
	Expansion Slot	MicroSD up to 512GB SDXC		Camera	Front Camera: 8MP Rear Camera: 50MP Auto Focus with LED Flash
	Notification	Full color LED, Vibrate and audible tone		NFC	ISO 14443 Type A/B, FeliCa, and ISO 15693 P2P mode and Card Emulation via Host.
	SIM Slot	2ea of Nano sim slots	Wireless WAN	Radio Frequency Bands	US : 5G-NR: N2 / N5 / N12 / N25 / N30 / N38 / N41 / N48 / N66 / N71 / N77 / N78 LTE-FDD: B2 / B4 / B5 / B7 / B12 / B13 / B14 / B17 / B25 / B29 / B30 / B46 / B66 / B71 LTE-TDD: B38 / B41 / B42 / B43 / B48 WCDMA: B2 / B4 / B5 GSM: B2 / B3 / B5 / B8
	Voice and Audio	Dual speakers for loud and clear sound USB-C audio headset support 3.5 mm audio jack, 3 MIC			
	Buttons	Left: Volume up, Volume down, PTT Right: Power, F1, F2 / TOP: SOS			
	Interface Ports	USB 3.0 (Bottom Type C): Host and Client Pogo 2pins for charging Pogo 2pins for Trigger Handle		GPS	GPS, GLONASS, Galileo, Beidou, QZSS Dual-Band
				Radio	WIFI 6E, 802.11 a/b/g/n/ac/ax

Performance Characteristics	CPU	Qualcomm® QCM6490 Octa-Core 2.7GHz	Wireless LAN	Operating Channels	Channel 1-13 (2401-2483 MHz):1,2,3,4,5,6,7,8,9,10,11,12,13; Channel 36-165 (5150-5850 MHz): 36,40, 44,48,52,56,60,64,100,104,108,112,116,120,124, 128, 132,136,140,144,149,153,157,161,165; Channel 1-233 (5925-7125 MHz); Channel Bandwidth: 20/40/80/160 MHz
	Memory	8GB RAM / 128GB UFS Flash			
	Operating System	Android 13 with GMS Certified			
User Environment	Operating Temperature	-4°F to 122°F/-20°C to 50°C			
	Storage Temperature	-40°F to 158°F/-40°C to 70°C			
	Humidity	5 to 95% non-condensing		Security and Encryption	WEP (40 or 104 bit); WPA/WPA2 Personal (TKIP, and AES); WPA3 Personal (SAE); WPA/WPA2 Enterprise (TKIP and AES); WPA3 Enterprise (AES) — EAP-TTLS (PAP, MSCHAP, MSCHAPv2); EAP-TLS, PEAPv0-MSCHAPv2, PEAPv1-EAP-GTC, LEAP, EAP- PWD)
	Drop	MIL-STD 810H (Multiple 5 ft, 1.5m drops)			
	Tumble	500 1.6ft, 0.5m tumbles			
	Sealing	IP68			
	Vibration	MIL-STD 810H (Vibration)	Wireless PAN	Bluetooth	5.2

Package

PRIME RS01

Quick Manual
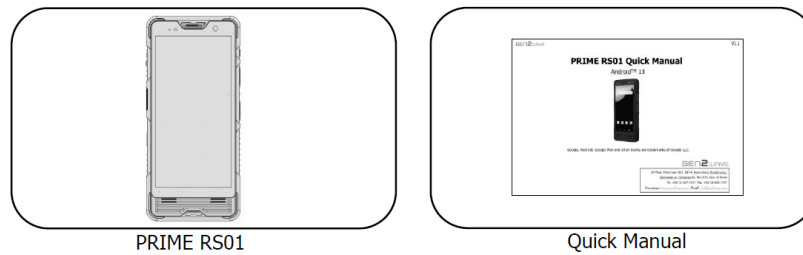
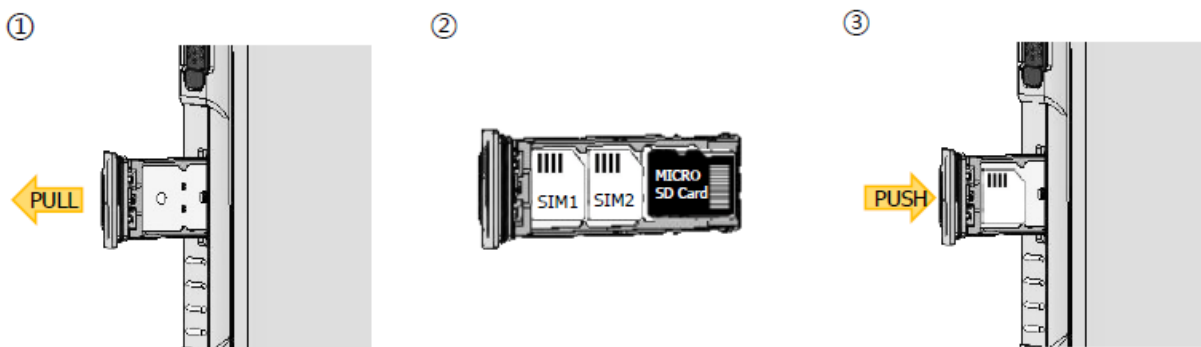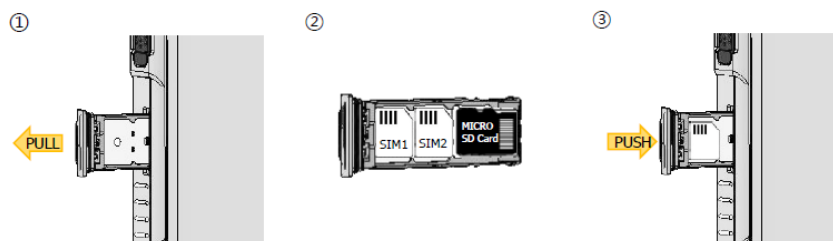**NOTE**
Items in the box may be changed according to the purchase order.

Device Features

Card Installation

1. How to Insert SIM cards and a MicroSD card
   - Pull out the cover of the USIM(nano) and MicroSD slots.
   - Insert the USIM card and Micro SD card into the slot.
   - Slide the slot into the device.
2. USIM and MicroSD cards can be removed in the reverse order.

Caution
If the device is powered on and the SIM card is inserted, the device must be rebooted.

Charging the Device

Charging

1. The device battery can be charged by plugging in a power cable to a USB C port.
2. When charging, the charging status LED of the device lights up, red when charging, and green when charging is complete.
3. Battery LED indicates as follows :
   - OFF: Not Charging
   - Red LED: Charging
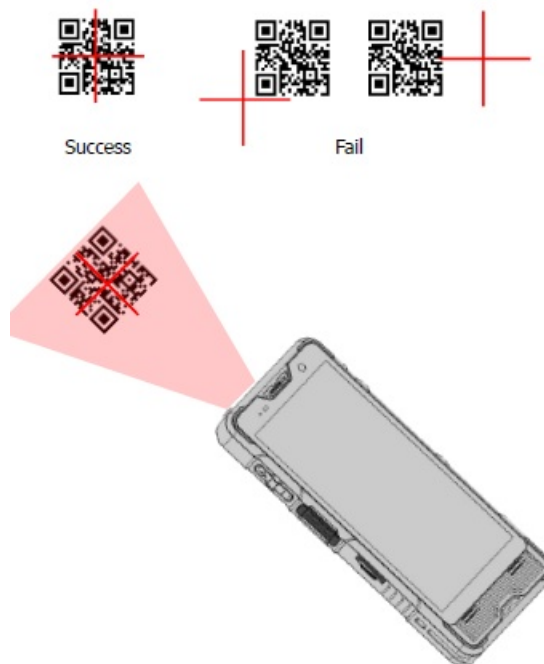   - Green LED: Fully Charged
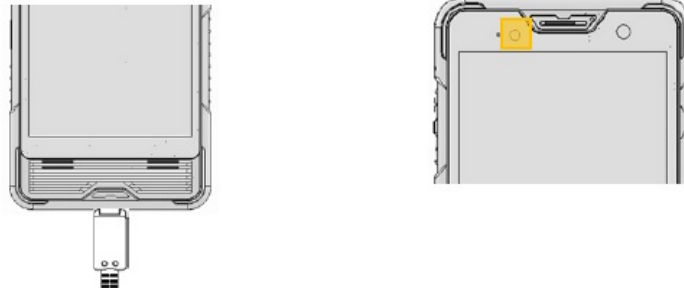
Note
Devices support high-speed charging. The adapter voltage must be 5~9V and the current is 2A or higher recommended.

Caution
Charging speed is slow when using a PC's USB port or adapter with less than 2A current.

How to use functions

Barcode Scanner
The laser aimer should be on the center of the barcode to get a successful read

NFC Reader
Since the NFC antenna is integrated into the rear side of the device, the contactless card is shown NFC reading distance depending on the NFC card type
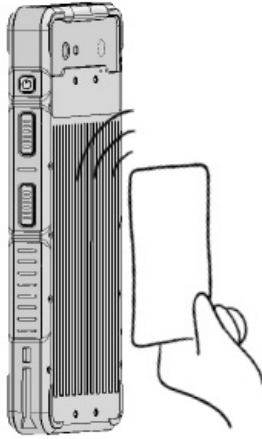
How to use power
Power On

- Press the power button for 1 second to turn on the device.
- The power LED briefly turns green on the screen, then turns off, and the GEN2WAVE logo appears

Power Off

- Press the power button until the system menu appears and touch the Power off icon.

Soft Reset

- Press the power button until the system menu appears and touch the Restart icon.

Hard Reset

- Press and hold the power button for approximately 10 seconds to reboot the device.

Factory Reset

- Follow the below steps to Factory Rese
- Path:Settings → System → Resetoptions → Erase all data (factory reset) → Erase all data

Caution
Factory Reset: Erase all data and restore default settings.

SAR.
This device has been tested and meets the FCC RF exposure limit. FCC SAR has been tested with 0mm distance for head SAR, 15mm for Body SAR, 10mm for Hotspot SAR, and 0mm for Extremity SAR. SAR

FAQ

Q: What should I do if the device is not turning on
A: Make sure the battery is charged. If the issue persists, contact customer support.

Q: How do I clean the device?
A: Use a soft, dry cloth to wipe the device. Avoid using liquid or abrasive cleaners.

Documents / Resources

	GEN2WAVE RS01 Rugged Mobile Computer [pdf] User Manual RS01, RS01 Rugged Mobile Computer, Rugged Mobile Computer, Mobile Computer, Computer

References

- 🌐 **Gen2Wave - manufacturer of rugged mobile terminals & Biometric tablet**
- **User Manual**