



27 Keys



37 Keys



47 Keys



Longe Range Handheld Mobile Computer

Model: R63LR



Android



4G



Wi-Fi



Bluetooth



1D Barcode



2D Barcode



NFC



Camera



GPS

R63LR is a new generation rugged handheld computer with robust performance. Built with Android 13 OS and Octa-Core processor, it supports 27 keys / 37 keys / 47 keys optional keypad, abundant accessories like trigger handle, and features powerful removable battery. And it delivers optional barcode scanning, NFC, etc. This mobile computer can fulfill applications in logistics, warehousing, retail, etc.



Specification

Physical Characteristics	
Dimensions	203.50 x 72.8 x 160 mm / 8.01 x 2.87 x 6.30in. (with pistol) 203.50 x 72.8 x 34.8 mm / 8.01 x 2.87 x 1.37in. (without pistol)
Weight	385g / 13.58oz. (device with battery) 571g / 20.14oz. (device with pistol and battery)
Keypad	Main keyboard (Optional) : 27 keys / 37 keys / 47 keys; Side keys: 2 scan keys + 2 volume keys + 1 user-defined key
Battery	6700 mAh removable main battery, 5000 mAh optional pistol battery, support QC3.0 and RTC; Built in 50mAh backup battery, pistol battery with meter; supporting battery hot swap, improving reliability and ensuring user data security Standby: up to 680 hours (only main battery ; WiFi: up to 560h; 4G: up to 560h) Continuous use: over 12 hours (depending on user environment) Charging time: 3.5 hours (charge device by standard adaptor and USB cable)
Display	4-inch high definition display, 800*480
Touch Panel	Multi-touch panel, gloves and wet hands supported
Sensor	Accelerometer sensor, light sensor, proximity sensor, gravity sensor
Notification	Sound, LED indicator, vibrator
Audio	1 microphone for noise cancellation; 1 speaker; 1 receiver
Card slot	1 slot for Micro SIM card, 1 slot for TF card
Interfaces	USB Type-C, USB 31, OTG, extended thimble

Performance	
CPU	Octa-core, 2.0 GHz Qualcomm
RAM+ROM	UFS, 4GB + 64GB
Expansion	Supports up to 256GB Micro SD (TF) card

Developing Environment	
Operating System	Android 13
Language	Java
Tool	Eclipse / Android Studio

User Environment	
Operating Temp.	-4°F to 122°F / -20°C to 50°C
Storage Temp.	-40°F to 158°F / -40°C to 70°C
Humidity	5% RH to 95% RH (non condensing)
Drop Specification	Multiple 1.5 m / 4.92 ft. drops to the concrete across the operating temperature range
Tumble Specification	1000 x 0.5 m / 1.64 ft. falls at room temperature
Sealing	IP68 per IEC sealing specifications
ESD	±15 KV air discharge, ±8 KV conductive discharge

Communication	
	Support 802.11 a/b/g/n/ac/ax-ready/d/e/h/i/k/r/v, 2.4G/5G dual-band, IPV4, IPV6, 5G PA; Fast roaming: PMKID caching, 802.11r, OKC
WLAN	Operating Channels: 2.4G(channel 1~13), 5G(channel 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); Depends on local regulations Security and Encryption: WEP, WPA/WPA2-PSK(TKIP and AES), WAPI-PSK—EAP-TTLS, EAP-TLS, PEAP-MSCHAPv2, PEAP-LTS, PEAP-GTC,etc.
Vo-LTE	Support Vo-LTE HD video voice call
Bluetooth	Bluetooth 5.0
GNSS	GPS/AGPS, GLONASS, BeiDou, Galileo, internal antenna
WWAN	2G: 850/900/1800/1900 MHz 3G: CDMA EVDO: BCO WCDMA: 850/900/1700/1900/2100MHz TD-SCDMA: A/F(B34/B39) 4G: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B28/ B38/ B39/B40/B41

Data Collection	
Camera	
Rear Camera	Rear 13 MP Autofocus with flash
NFC	
Frequency	13.56 MHz
Protocol	ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2, etc.
Chips	M1 card (S50, S70), CPU card, NFC tags, etc.
Range	2-4 cm

Barcode Scanning (optional)	
2D Scanner	Zebra: SE4850 Long Range Up To 15m
1D Symbolgies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
2D Symbolgies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX), etc.

Optional accessories(See details in Accessory Guide)	
Separate handle with one button, Wrist Strap; Charging Cradle	
Handle + battery (handle battery 5000 mAh, one button)	



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