



**27 Keys**



**37 Keys**



**47 Keys**

# Mobile Computer



Android



4G



Wi-Fi



Bluetooth



1D Barcode



2D Barcode



NFC



Camera



GNSS

This 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 3.1, OTG, extended thimble

## Performance

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

## Developing Environment

Operating System	Android 13
SDK	Software Development Kit
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	IP67 per IEC sealing specifications
ESD	±15 KV air discharge, ±8 KV conductive discharge

## Communication

WLAN	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 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: BC0 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

\*This model being manufactured for Turkish Market, do not include WWAN and SIM slot option.

## Data Collection

### Camera

Rear Camera	Rear 13 MP Autofocus with flash
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### 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: SE4710/SE4750/SE4850/SE55/SE58 Honeywell: N6603/N6703/N6803FR; CM60
1D Symbolologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
2D Symbolologies	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)