



27 Keys



37 Keys



47 Keys



Mobile Computer



Android



4G



Wi-Fi



Bluetooth



1D Barcode



2D Barcode



NFC



UHF



Camera



GPS

This is a rugged handheld computer with robust performance. Built with Android 11 / 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, RFID, NFC, etc. This mobile computer can fulfill applications in logistics, warehousing, retail, etc.



Specification

Physical Characteristics	
Dimensions	202.0 x 72.5 x 32.0 mm / 7.95 x 2.85 x 1.26 in.
Weight	370g / 13.05oz. (SE4710) ; 404g / 14.25oz. (SE4850) / 26.05oz. / 738g (SE4850, UHF, pistol 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, 5200 mAh optional pistol battery, support QC3.0 and RTC; Built in 100mAh backup battery, 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; 2 speakers; 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, 2.0GHz
RAM+ROM	3GB + 32GB / 4GB + 64GB
Expansion	Supports up to 256GB Micro SD (TF) card

Developing Environment	
Operating System	Android 11/13; GMS, 90-day security updates, Android Enterprise Recommended, Zero-Touch, FOTA, Soti MobiControl, SafeUEM supported. Committed support for a future upgrade to Android 18 pending feasibility
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 1.8 m / 5.9 ft. drops (at least 20 times) to the concrete across the operating temperature range
Tumble Specification	1000 x 0.5 m / 1.64 ft. falls at room temperature
Sealing	IP65 per IEC sealing specifications
ESD	±15 KV air discharge, ±8 KV conductive discharge

Communication	
Vo-LTE	Support Vo-LTE HD video voice call
Bluetooth	Bluetooth 5.1
GNSS	GPS/AGPS, GLONASS, BeiDou, Galileo, internal antenna

	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, WPA3-Enterprise,etc.
WWAN (Europe, Asia)	2G: 850/900/1800/1900 MHz
	3G: CDMA EVDO: BC0
	WCDMA: 850/900/1900/2100 MHz
	TD-SCDMA: A/F(B34/B39)
	4G: B1/B3/B5/B7/B8/B20/B38/B39/B40/B41
WWAN(America)	2G: 850/900/1800/1900MHz
	3G: 850/900/1900/2100MHz
	4G: B2/B4/B5/B7/B8/B12/B13/B17/B28A/B28B/B38

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

UHF (Optional)	
Engine	Based on Impinj E710
Frequency	865-868 MHz / 920-925 MHz / 902-928 MHz
Impinj Gen2X	Supported
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna	Circular Polarized Antenna (4 dBi)
Power	1W (30 dBm, +5 dBm to +30 dBm adjustable)
	2W Optional (33 dBm, for Latin America, etc.)
Max Read Range	27m (Impinj MR6 tag, size70 x 15mm)
	26m (Impinj M750 tag, size70 x 15mm)
	30m (Alien H3 Anti-Metal tag, size 130 x 42mm)
Fastest Read Rate	1300+ tags/sec
Communication Mode	Pin Connector

* Ranges are measured in the open outdoors and low interference environment, and rate is measured in a laboratory low interference environment, they are affected by tags and environment.

Barcode Scanning (optional)	
2D Scanner	Zebra: SE4710/SE5500/SE4750SR/SE4750MR/SE4750DP/SE4850 Honeywell: N6603/N6703; 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;	
Handle + battery (handle battery 5200 mAh, one button) ;	
UHF back clip + handle (5200 mAh, one button) ;	
Wrist Strap; Charging Cradle	