



Mobile Computer



Android 10



4G



Wi-Fi



Bluetooth



1D Barcode



2D Barcode



NFC



GMS



Camera



GNSS



AI Engine

This is our newly-developed, lightweight and portable handheld terminal that exhibits extremely powerful performance. Built with Android 10 OS and high-performance octa-core processor, it features vigorous system configuration. With rich functionality features like outstanding barcode scanning, sturdy Wi-Fi performance, NFC, front and rear cameras, it possesses the best price versus performance ratio. All these make it immensely perfect to be implemented in a wide spectrum of industries, including logistics, warehousing, retail, asset tracking etc., assisting customers to improve operation and management levels significantly.



Specification

Physical Characteristics	
Dimensions	158.5 x 76.0 x 13.1 mm / 6.24 x 2.99 x 0.52 in.
Weight	230g / 8.11 oz. (device with battery)
Keypad	Power, 2 scan keys, volume +/-
Battery	Main battery: built-in 5000 mAh
	Standby: up to 490 hours (only main battery ; WiFi: up to 470h; 4G: up to 440h)
	Continuous use: over 12 hours (depending on user environment)
	Charging time: 2.5 hours (charge device by standard adaptor and USB cable)
Display	5.7-inch (18:9), IPS LTPS 1440 x 720
Touch Panel	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
Sensor	Light sensor, proximity sensor, gravity sensor
Notification	Sound, LED indicator, vibrator
Audio	2 microphones, 1 for noise cancellation; 1 speaker; receiver
Card slot	1 slot for Nano SIM card, 1 slot for Nano SIM or TF card
Interfaces	USB Type-C, USB 2.0, OTGX
Performance	
CPU	Octa-core 2.0 GHz
RAM+ROM	3GB+32GB / 3GB+64GB / 4GB+64GB
Expansion	Supports up to 256GB Micro SD (TF) card
Developing Environment	
Operating System	Android 10, GMS, FOTA, Soti MobiControl, Android Enterprise Recommended, Zero-Touch, 90-day security updates, SafeUEM supported; Built-in support for a future upgrade through Android 11 / 12 which complies with GMS and Android Enterprise Recommended
SDK	Software Development Kit
Language	Java
Tool	Eclipse / Android Studio
User Environment	
Operating Temp.	-20 °C~+50 °C
Storage Temp.	-40 °C~+70 °C
Humidity	5% RH - 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 IEEE802.11 a/b/g/n/ac/d/e/h/i/k/r/v/w, 2.4G/5G dual-band, IPV4, IPV6; Support 5G PA
	Fast roaming: PMKID caching, 802.11r, OKC
	Operating Channels: 2.4G(channel 1~13), 5G(channel 36,38,40,42,44,46,48,52,56,60,64,100,104,108,112, 116,120,124,128,132,136,140,149,153,157,161,165), 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.
WWAN(Europe/Asia)	2G: GSM850/GSM900/DCS1800/PCS1900
	3G: CDMA EVDO: BC0
	WCDMA: B1/B2/B4/B5/B8
	TD-SCDMA: A/F(B34/B39)
WWAN(America)	4G: B1/B2/B3/B4/B5/B7/B8/B20/B34/B38/B39/B40/B41
	2G: GSM850/GSM900/DCS1800/PCS1900
	3G: CDMA EVDO: BC0/BC1
	WCDMA: B2/B4/B5/B8
Bluetooth	4G: B2/B4/B5/B7/B8/B12/B17/B28A/B28B/B38
	V2.1+EDR,3.0+HS and V4.1+HS, BT5.0
GNSS	GPS/AGPS, GLONASS, BeiDou, Galileo, internal antenna
Data Collection	
Camera	
Front Camera	5MP
Rear Camera	16MP +2MP Microphotography, 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	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)	
Charging Cradle; Lanyard etc.,	