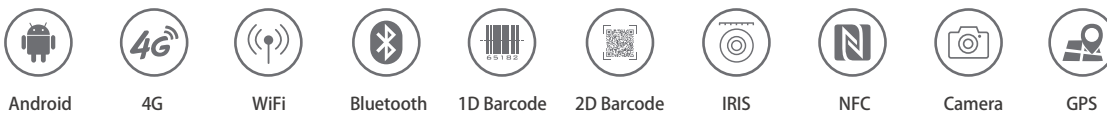




Personal Digital Assistant (PDA)



This is an Android-based mobile computer, delivers unprecedented excellence. It features powerful processor, stable wireless connectivity, NFC and 1D/2D barcode scanning, iris recognition functions. This rugged device can be deployed in industries like express delivery, logistics, warehousing, manufacturing and so forth.



Specification

Physical Characteristics

Dimensions	163.8 x 79.2 x 13.8 mm / 6.45 x 3.12 x 0.54 in.
Weight	242 g / 8.5 oz.
Display	5.2" IPS LTPS 1920 x 1080
Touch Panel	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
Power	Main battery: Li-ion, rechargeable, 4000mAh
	Standby: over 300 hours
	Continuous use: over 12 hours (depending on user environment)
	Charging time: 2-3 hours (with standard adaptor and USB cable)
Expansion Slot	1 slot for Nano SIM card, 1 slot for Nano SIM or TF card
Interfaces	USB2.0 Type-C, OTG
Audio	Speaker, 2 microphones
Keypad	4 front keys, 1 power key, 2 scan keys, 1 multifunctional key
Sensors	Light sensor, proximity sensor, gravity sensor

Performance

CPU	Cortex-A53 2.5 / 2.3 GHz Octa-core
RAM+ROM	3 GB + 32 GB / 4 GB + 64 GB
Expansion	Supports up to 128 GB Micro SD card

Communication

Android 8.1

WLAN	IEEE802.11 a/b/g/n/ac, 2.4G/5G dual-band, internal antenna
WWAN (China)	2G: 900/1800 MHz
	3G: WCDMA: B1/B8 CDMA2000 EVDO: BC0 TD-SCDMA: B34/B39
	4G: B1/B3/B5/B8/B34/B38/B39/B40/B41
WWAN (Europe)	2G: 850/900/1800/1900 MHz
	3G: B1/B2/B4/B5/B8
	4G: B1/B3/B5/B7/B8/B20/B40
WWAN(America)	2G: 850/900/1800/1900 MHz
	3G: B1/B2/B4/B5/B8
	4G: B2/B4/B7/B12/B17/B25/B66
WWAN (Others)	Depending on the country's ISP
Bluetooth	Bluetooth v2.1+EDR,3.0+HS,v4.1+HS
GNSS	GPS/AGPS, GLONASS, BeiDou; internal antenna

Android 11

WLAN	IEEE802.11 a/b/g/n/ac, 2.4G/5G dual-band, internal antenna
WWAN	2G: GSM850/GSM900/DCS1800/PCS1900
	3G: WCDMA: B1/B2/B4/B5/B8 CDMA2000 EVDO: BC0 TD-SCDMA: A/F
	4G: B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28A/ B28B/B34/B38/B39/B40/B41
Bluetooth	Bluetooth 5.0
GNSS	GPS/AGPS, GLONASS, BeiDou; internal antenna

Developing Environment

Operating System	Android 8.1; SafeUEM supported Android 11; SafeUEM supported. Committed support for a future upgrade to Android 12, 13, and Android 14 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 - 95%RH non condensing
Drop Specification	Multiple 1.8 m / 5.91 ft. drops (at least 20 times) to the concrete across the operating temperature range
Tumble Specification	1000 x 0.5 m / 1.6 ft. falls at room temperature
Sealing	IP65 / IP67 per IEC sealing specifications
ESD	±15 KV air discharge, ± 6KV conductive discharge

Data Collection

Camera

Rear Camera	13 MP Autofocus with flash
Front Camera (optional)	5 MP camera

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 Imager Scanner	Zebra SE4710/Honeywell N6603
1D Symbolologies	UPC/EAN, Code128, Code39, Code93, Code11, Codabar, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, 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.

Iris (optional)

Rate	< 150 ms
Range	20-40 cm
FAR	1/10000000
Protocol	ISO/IEC 19794-6, GB/T 20979-2007

*Iris is alternative to front camera.

Accessories(See details in Accessory Guide)



Cradle (Optional)



AC Adaptor



USB Cable



Holster(Optional)



Rugged Boot with Handstrap(Optional)