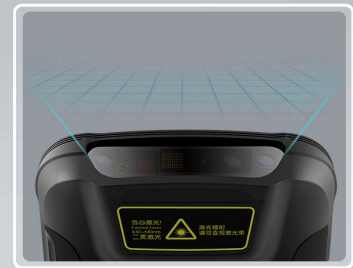




## Infrared



# Mobile Computer

## InfraRed



Android



4G



WiFi



Bluetooth



InfraRed



1D Barcode



2D Barcode



NFC



Camera



GPS

This device is an Android rugged mobile computer. With its powerful processor, stable wireless connections and comprehensive data capture options, you can find this easy-to-deploy device a valuable helper to increase working efficiency and productivity in various meter reading operations.



# Specification

Performance	
Quad-core	
CPU	Cortex-A53 Quad-core 1.45GHz
RAM+ROM	2GB+16GB
Expansion	Supports up to 128 GB Micro SD card
Operating System	Android 6.0
Octa-core	
CPU	Cortex-A53 Octa-core 2.5GHz
RAM+ROM	3GB+32GB
Expansion	Supports up to 128 GB Micro SD card
Operating System	Android 8.1
Communication	
Quad-core	
WLAN	IEEE802.11 a/b/g/n, 2.4G/5G dual-band, internal antenna
WWAN (China)	2G: 900/1800MHz
	3G: 900/1900/2000/2100MHz 4G: B1, B3, B5, B38, B39, B40, B41
WWAN(Europe)	2G: 850/900/1800/1900MHz
	3G: 850/900/1900/2100MHz 4G: B1, B3, B5, B7, B8, B20, B40
WWAN(America)	2G: 850/900/1800/1900MHz
	3G: 850/900/1700/1900MHz 4G: B2, B4, B7, B12, B17
WWAN (Others)	Depending on the country's ISP
Bluetooth	Bluetooth 4.0, BLE
GNSS	GPS/AGPS, GLONASS, BeiDou, internal antenna
Octa-core	
WLAN	IEEE802.11 a/b/g/n/ac, 2.4G/5G dual-band, internal antenna
WWAN (China)	2G: 900/1800MHz
	3G: WCDMA: B1,B8 CDMA2000 EVDO: BC0 TD-SCDMA: B34,B39
	4G: B1,B3,B5,B8,B34,B38,B39,B40,B41
WWAN (Europe)	2G: 850/900/1800/1900MHz
	3G: B1,B2,B4,B5,B8 4G: B1,B3,B5,B7,B8,B20,B40
WWAN(America)	2G: 850/900/1800/1900MHz
	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
Physical Characteristics	
Dimensions	164.2*78.8*17mm/6.46*3.10*0.67in
Weight	<284g/10.02oz
Display	5.2" IPS FHD 1920x1080
Touch Panel	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported

Power	Main battery: Li-ion, rechargeable, 5000mAh
	Standby: over 350 hours
	Continuous use: over 12 hours (depending on user environment) Charging time: 3-4 hours (with standard adaptor and USB cable)
Expansion Slot	1 slot for SIM card, 1 slot for SIM or TF card
Interfaces	USB 2.0 Type-C, OTG, Octa-core version supports TypeC headphones
Audio	Speaker, 2 microphones
Keypad	4 front keys, 1 power key, 2 scan keys, 1 multifunctional key
Sensors	Gravity sensor, light sensor, proximity sensor, vibration motor

## Developing Environment

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 1.8m/5.9ft drops (at least 20 times) to the concrete across the operating temperature range
Tumble Specification	1000 x 0.5m/1.6ft falls at room temperature
Sealing	IP65/IP67 per IEC sealing specifications
ESD	±15KV air discharge, ±6KV conductive discharge

## Data Collection

### Camera

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

### InfraRed

Wavelength	940nm
Frequency	38kHz
Range	> 4m
Protocol	DLT_645-2007, DLT_645-1997

### NFC

Frequency	13.56MHz
Protocol	ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2, etc.
Chips	M1 card (S50, S70), CPU card, NFC tags, etc.
Range	2-4cm

### Barcode Scanning (optional)

2D Imager Scanner (Quad-core)	Zebra SE4710
2D Imager Scanner (Octa-core)	Zebra: SE2707
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.

## Accessories

Standard	AC Adaptor, USB Cable, Lanyard, etc.
Optional	Cradle, Holster, etc.

\* For detailed specification, please check Accessory Guide.