



Mobile Computer

This device is an Android-based rugged mobile computer. With its fast 4G connectivity and powerful quad-core processor as well as the comprehensive data capture options, including NFC, best-in-class 1D/2D barcode scanning, high-resolution camera and GPS, you can find this easy-to-deploy device an exceptionally valuable helper for your workers to increase their efficiency and productivity. With its highly customizable ability, enterprises can deploy this single device in many areas, including logistics, warehouse management, asset tracking, fleet management, healthcare and etc.



Powerful Application Performance

This device features Android 6.0 OS, powerful quad-core processor, together with 1/2GB of RAM, 8/16GB build-in flash storage, plus a SD card slot that can add up to 32GB of memory.



4G LTE — Faster Connectivity

Whether indoors or outdoors, this device provides enterprises with anywhere, anytime real-time connectivity by the fast 4G LTE cellular network and 802.11 a/b/g/n Wi-Fi support.



Extensive Data Capture Functions

This device can be integrated with best-in-class Zebra 1D/2D barcode scanning engine, high-resolution camera and GPS. It allows users to choose data collection options as per industry need.



Rugged and Compact

This device is highly rugged, compact and durable. With an IP65 water and dust proof capability, workers can drop this device on concrete, use it in dusty areas, even get it wet, and still expect reliable operation.



Superior NFC Reading Capability

It can be configured with high-performance NFC reading/writing module supporting protocols like ISO1443A/B, ISO15693, NFC-IP1, and NFC-IP2. It can read common S50, S70 chips.



Highly Customizable

From a single function device to a fully featured enterprise mobile computer, this device delivers the best possible flexibility and diversity to satisfy a whole variety of application needs.



1D Barcode



2D Barcode



4G



NFC



WiFi



Bluetooth



GPS



Camera

Physical Characteristics

Dimensions	157.6 x 73.7 x 29mm/6.2x2.9x1.1in
Weight	310g/10.9oz
Display	4" WVGA (480*800), 16.7M colors
Touch Panel	Rugged dual touch capacitive touch panel
Power	Main battery: Li-ion, rechargeable, 4000mAh
Expansion Slot	1 PSAM (only for high-level configuration): ISO7816 protocol, 1 SIM, 1 MicroSD (TF) slot
Interfaces	USB Micro-B, OTG
Audio	0.5W speaker, build-in microphone
Keypad	3 TP touch key-press buttons, 3 side buttons, numeric keyboard
Sensors	Light Sensor, Proximity Sensor, Gravity Sensor, Vibration Motor
AC Adapter	Input: 100V-240V, 50-60Hz, 0.29A Output: 5V, 2A

Performance

High-level Configuration	CPU: Cortex A-53 1.3 GHz quad-core RAM+ROM: 2GB+16GB
Low-level Configuration	CPU: Cortex A-53 1.3 GHz quad-core RAM+ROM: 1GB+8GB
Expansion	Supports up to 32GB Micro SD card

Developing Environment

Operating System	Android 6.0
SDK	Software Development Kit
Language	Java
Tool	Eclipse / Android Studio

User Environment

Operating Temp.	14°F to 122°F / -10°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 2m/6.56ft drops to concrete across the operating temperature range
Tumble Specification	1000 x 0.5m/1.64ft falls at room temperature
Sealing	IP65
ESD	±8KV air discharge, ±4KV conductive discharge

Communication

WLAN	IEEE802.11 a/b/g/n, 2.4G/5G dual-band, internal antenna
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(China)	2G: 900/1800MHz
	3G: 900/1900/2000/2100MHz
	4G: B1, B3, B38, B39, B40, B41
WWAN (Others)	Depending on the country's ISP
Bluetooth	Bluetooth 4.0, BLE
GNSS	GPS/AGPS, GLONASS, BeiDou, internal antenna

Data Collection

Camera	8/13MP autofocus camera with flash
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Barcode Scanning (Optional)

1D Linear Scanner	
1D Scan Engine	Zebra SE965/Honeywell N4313
Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
2D Imager Scanner	
2D CMOS Laser Scanner	Zebra SE4710/Honeywell N6603
Symbologies	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.

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

* NFC is only available for high-level configuration

Accessories



AC Adapter



USB cable



Charging Cradle (only optional for high-level configuration)