



Mobile Computer



Android 12/14



5G



Wi-Fi



Bluetooth



1D Barcode



2D Barcode



NFC



Camera



GNSS

This is our newly launched 5G high-performance mobile computer. The top-of-the-class configuration comprises advanced Android 12/14, high-performance octa-core processor, and optional ultra-large memory. It integrates barcode scanning, NFC, dual camera, and multiple wireless data connections, as well as 6-inch HD screen, high-capacity removable battery and IP67 sealing. It can bring a new level of cost efficiency to a broad range of industries including retail, logistics, and warehousing.



Specification

Physical Characteristics

| | |
|--------------|--|
| Dimensions | 161.0 x 77.8 x 15.5mm / 6.34 x 3.06 x 0.61in. |
| Weight | 280g-288g / 9.88oz-10.16oz. (device with battery) |
| Keypad | Power key, 2 scan keys, volume (+/-) keys, 1 multifunctional key |
| Battery | 5000mAh removable main battery, support QC3.0 and RTC |
| Display | 6-inch high definition display (18:9), 1440 x 720 |
| Touch Panel | Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported |
| Sensor | G_sensor, proximity sensor, light sensor, geomagnetic sensor, gyroscope |
| Notification | Sound, LED indicator, vibrator |
| Audio | 2 microphones, 1 for noise cancellation; 1 speaker; 1 receiver |
| Card slot | 1 for SIM card, 1 for SIM or TF card |
| Interfaces | USB Type-C, USB 3.1, OTG |

Performance

| | |
|-----------|--|
| CPU | Octa-core, 2.0GHz |
| RAM+ROM | 4GB + 64GB / 6GB + 128GB (optional) / 8GB + 128GB (optional) |
| Expansion | Supports up to 256GB TF card |

Developing Environment

| | |
|------------------|--------------------------|
| Operating System | Android 12/14; GMS&AER |
| 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 1.5m / 4.92ft. drops (at least 20 times) to the concrete across the operating temperature range MIL-STD-810H (SGS Test): Multiple 1.5m drops (at least 20 times) to the plate across the operating temperature range |
| Tumble Specification | 1000 x 0.5m / 1.64ft. falls at room temperature |
| Sealing | IP67 per IEC sealing specifications |
| ESD | ±15KV air discharge, ±8KV conductive discharge |

Communication

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|-----------|---|
| 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, 2.4G/5G dual-band, IPV4, IPV6, 5G PA, 2x2 MU-MIMO |
| | 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, WPA3-Enhanced Open, WPA3 Easy Connect, WPA3-Personal, etc. |
| | 2G: 850/900/1800/1900MHz |
| | 3G: 850/900/1900/2100MHz |
| WWAN | 4G: B1/B2/B3/B5/B7/B8/B20/B28A/B28B/B34/B38/B39/B40/B41 |
| | 5G: N1/N3/N8/N28/N41/N78/N79 |

Data Collection

Camera

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|--------------|---------------------------|
| Rear Camera | 16MP Autofocus with flash |
| Front Camera | 5MP |

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 | 2-4cm |

Barcode Scanning (Optional)

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|------------------|---|
| 2D Scanner | Zebra: SE4710/SE55/SE4750; 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

USB Cable, Adapter, Charging Cradle, Rugged Rubber Boot, etc.

*See details in accessory guide