



EA520

Rugged Smartphone

IP67 & 1.5m Drop Protection | Removable 4100mAh Battery | Superior Barcode Reading (30 scans/sec)

Introducing the EA520, the 5" cutting-edge rugged smartphone delivers powerful barcode reading performance, convenient connectivity, durable but lightweight design that just fits in the palm of your hand. This enhance the service level for a variety of vertical applications within the retail, hospitality and field service sectors.

Portability for Better Retail Associate Experience

Powered by the Android 11 OS with GMS certification, the EA520 is equipped with octa-core CPU to deliver users excellent performance for smarter, more intuitive interactions. Specially designed for portability and versatile functionality, this device is easy to carry around for inventory checking, communicating with supervisor, supporting customers on the sales floor that redefines the retail associate working experience with convenient tool.

Powerful Barcode Reading Performance

Featuring powerful 1D/2D scanning capability, it also supports DPM codes and ensures read reliability for mobile phone screens and paper in any orientation. Powered by a removable 4100mAh battery, it is integrated HF/NFC RFID reader/writer, GPS, and a high-resolution 13MP camera in a compact device. The EA520 gives your workforce the technology it needs to take your business to the next level.

Durable at Its Best

The EA520 enhances the industrial durable protection with features including IP67 dustproof, waterproof and 1.5 meters resistant to fall protection (1.8 meters with boot case). That means it covers fully protected from dust and can survive in 1 meter of water for up to 30 mins.

Seamless And Connectivity

Featuring Bluetooth® 5, wireless dual bands with fast roaming and 4G connectivity for real-time data collection, staff can scans the item and instantly connect to the backend system to find out the quantity in stock or make an online order for customers. The EA520 delivers a seamlessly work experience and improves productivity for various applications.

Features

- 5-inch display with 450 nits sunlight readable
- Android 11 OS with GMS certification
- Support 1D / 2D barcode on mobile screens, even DPM barcodes
- Lightweight design that just fits in the palm of your hand
- All-In-One functionality: HF/NFC and 13MP camera
- Rugged: Corning® Gorilla® Glass 3 touch display, IP67 rated, and 1.5M drop (1.8M with boot case)
- Long-lasting removable 4100mAh battery
- Support Bluetooth® 5 / dual-band WLAN, fast roaming / 4G LTE
- Support MDM Software Solutions and utilities such as MoboLink



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System Features

| | |
|-------------------|--|
| OS | Android 11 |
| GMS certified | GMS certified |
| CPU | 2GHz, MTK P22, 64bits Octa-core Processor |
| Memory | 4 GB RAM / 64 GB Flash |
| Languages support | Multiple languages |
| Others | Input Chinese/ English Supports handwriting and soft keyboard |

Display

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|-------------|--|
| Screen Size | 5.0" TFT-LCD HD (720 x 1280) color screen |
| Touchpanel | Gorilla Glass 3. Ultra sensitive capacitive touch screen, compatible with gloves and supports wet resistance |

Keypad

Side SCAN button x 2 (Left / Right), User-defined function button (programmable key), volume up/down buttons, on/off button

Camera

8MP front camera
13M rear camera with LED flash and auto-focus function

Indicator Type

LED, Speaker, Vibrator

Symbologies

Support all major 1D and 2D barcodes

RFID

HF Support HF/NFC, Frequency 13.56Mhz, ISO14443 A/B, ISO15693, Felica(ISO/IEC18092), Mifare compliance

Power Source

Main Battery 3.8V 4100mAh Li-ion battery
Removabl
RTC battery : RTC backup only

Regulatory Approvals

CE, FCC, NCC, CCC, SRRC, VCCI, TELEC, RoHS, BQB, N-Mark, BSMI for battery



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Communication

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|------------|--|
| Bluetooth® | Bluetooth® 5 supported |
| WLAN | 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v, 2.4G+5GHz, support fast roaming, VoWiFi, hotspot, Compliant with WFA, WPA/WPA2 |
| WWAN | Global: 4G LTE FDD: B1/B2/B3/B5/B7/B8/B20/B28A/B28B TDD: B38/B39/B40/B41 3G WCDMA: B1/B5/B8 2G GSM: 850,900,1800,1900MHz |

Americas :

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|---|
| 4G LTE FDD-B1/B2/B4/B5/B7/B12/B13/B14/B17/B28A/B28B |
| TDD-B38/B40/B41 |
| 3G WCDMA: B1/2/4/5/8 |
| 2G GSM: 850,900,1800,1900MHz |

| | |
|-------------|---|
| GPS | AGPS, GPS, GLONASS, Beidou, Galileo |
| Sensors | Light Proximity, Accelerometer, e-Compass, Gyroscope sensor |
| Fingerprint | Optional |

I/O Interfaces

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|----------------|---|
| USB | USB 2.0 (Type-C) |
| OTG | Yes, over USB Type-C |
| POGO PIN | Charging via cradle |
| SIM Slot | Dual SIM , support LTE + LTE |
| Expansion Slot | MicroSD, up to 128 GB |
| Audio | One speaker (90±3dB @ 10cm), One receiver , Dual noise-cancelling microphones |

Enclosure

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|------------|-----------------------------------|
| Dimensions | Approx. 151.3mm x 76.8mm x 13.6mm |
| Weight | 242g (with battery) |

Environmental

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|------------------------|---|
| Operating temperature | -20°C to 60°C |
| Storage temperature | - 40°C to 70°C (without battery) |
| Charging temperature | 0°C to 45°C |
| Relative Humidity | 95% (non-condensing) |
| Drop Specification | 1.5m , 1.8m with boot case |
| Sealing | IP67 |
| Vibration/ Tumble test | 0.5m tumbles for 300 cycles / 600 drops |

Software

SOTI, AirWatch, 42Gears, and MoboLink

Accessories

| | |
|-------------------------------|--------------------------|
| ■ USB 2.0 type C cable | ■ Gun grip |
| ■ 5V/2A Adaptor | ■ Glass Screen Protector |
| ■ PE+ Adaptor | ■ Protective Case |
| ■ Single Slot Charging Cradle | ■ Hand Strap |

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