



# EA520

## Rugged Smartphone

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

The Unitech EA520 features a 5" bright (450 nits) display with a cutting-edge design. This rugged smartphone is equipped with a powerful barcode reading engine and offers the perfect balance of productivity, connectivity and performance. Along with great features the EA520 is optimized for retail, hospitality and field service environments.

### Snappy and powerful

Offering the latest OS of Android 11, the EA520 comes with Google GMS certification. The EA520 offers a snappy performance and features an Octa-core 64-bits 2.0 GHz processor. A swappable and large 4100mah capacity battery frees you from the concern of battery draining during your working day.

### Data collection

The EA520 has an integrated powerful 2D imager (SE4710) and supports 1D, 2D and DPM (Direct Part Marking) reading. In addition the EA520 has an integrated HF/NFC RFID reader/writer, a high-resolution 13MP front and 8M rear camera. The EA520 gives your workforce the technology it needs to take your business to the next level.

### Seamless connectivity

The EA520 supports Bluetooth® 5, wireless dual-band with fast roaming and 4G connectivity for real-time data collection - an ideal solution for stock management and online order processing. With the integrated dual noise cancelling microphones, the voice clarity remains maintained even in a noisy environment.

### Lightweight and durable design

Enhanced durability has been applied to the EA520. This device only weights 242g but is fitted with a Gorilla® 3 Glass touch panel, has a drop resistance of 1.5m (1.8m with optional boot case) and an IP67 rated body to withstand the harshest environments. A great and lightweight design that just fits in the palm of your hand.

### Features

- Lightweight, rugged and compact design
- 5" (1280x720) color and sunlight readable (450 nits) display
- Android 11 OS with GMS certification
- Snappy and powerful 2.0GHz Octa-Core processor
- Removable 4100mAh battery (over 12 hours\* operation time)
- Data capturing: 2D Imager, HF/NFC (reader/writer) and 13MP rear and 8MP front camera
- Supports Bluetooth® 5 / dual-band WLAN, fast roaming / 4G LTE
- 1.5m drop-resistant housing (1.8m with boot case)
- IP67 protection against water and dust
- Corning® Gorilla® Glass 3 touch display
- Supports Unitech Mobility Orchestra & Unitech Utilities
- Supports: MoboLink, SOTI, AirWatch and 42Gears

**unitech**

\*Battery life depends on type of operation and environment. **because we care**



### System Features

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

### Display

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

Supports all major 1D and 2D barcodes  
Supports DPM reading (\*High resolution DPM not supported).

### RFID

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

### Power Source

Main Battery Removable 3.8V 4100mAh Li-ion battery (over 12 hours\* operation time).  
RTC battery : RTC backup only

\*Battery life depends on type of operation and environment.

### Regulatory Approvals

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



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### Communication

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 :  
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

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

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

### Environmental

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
- 5V/2A Adaptor
- PE+ Adaptor
- Single Slot Charging Cradle
- Gun grip
- Glass Screen Protector
- Protective Case
- Hand Strap

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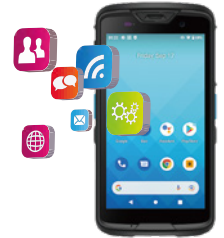
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**Unitech Mobility Orchestra**

**ORCHESTRA**  
UNITECH MOBILITY SOLUTIONS

**Unitech Mobility Orchestra**

Unitech Mobility Orchestra Solution guarantees the usability of the delivered products and takes care of the traceability during the lifetime of the product in use. It aims to empower usability, traceability and sustainability to safeguard user's investment with Unitech mobility devices from birth to retirement. It includes 4 components: 12Solutions, StageGo, UnitCare and Mobolink Visibility.



**12Solutions**

12Solutions provides a suit of great tools that enhances user experience and management needs that turns a standard device into an enterprise work tool.

**UnitCare**

UnitCare protects your investment of installed devices in the field to be served at best quality. Enjoy enhanced investment protection and a low total cost of ownership.

**Development Tool**



**Unitech API**

Unitech system level application programming interface.

**Third party EMMs**

Unitech third party EMMs supported.



**Staging and Management**



**MoboLink**

Android Enterprise ready EMM for monitoring device health and managing apps, configs and files.



**StageGo**

Barcode-based device staging utility offering hundreds of script commands for you to work with.



**OEMConfig**

If you are using a third party EMM, OEMConfig will allow those EMM solutions to configure Unitech specific settings on the device.



**Enterprise Launcher**

Secure your devices by kiosk them with Enterprise Launcher. Block access to the Android system and only allow limited number of apps to be run.



**Battery info**

Monitor advanced battery health and manage the battery replacement cycle. Use with MoboLink to get real-time battery health alerts delivered to your phone.



**Software Update**

Check and install software updates online. To let a device always stay up-to-date, setup the device to automatically check and install for updates on boot up.



**System Update Center**

Check and install firmware updates via FOTA. You can update the firmware via online FOTA server, or by using a OTA ZIP file placed in the internal storage.

**Productivity and Utilities**



**UNote**

A simple text viewer and editor for use in your workflows.



**Startup**

Auto-run apps when device boots.



**KeyRemap**

Reprogram physical buttons to act as another key or to launch an app.



**NTP Server Settings**

Customize the NTP server setting to keep your device date and time synchronized.