

EA510 moving forward

High performance in a compact device



5.7" screen & compact body

The EA510's vivid display will give you the most exciting visual experience. The 5.7" sized screen combined with a small body size will give an excellent ergonomic feeling.



Quick charge

Thanks to the Quick Charge 4.0 technology, you will spend less time charging - fully charged within 3 hours.



Fingerprint reader

Instantly unlock the EA510 with a slightest touch. The fingerprint reader is located on the back for easy access.



Removable battery

For the enterprise smartphone, long battery life is essential. The EA510 comes with a swappable 4200mAh battery - long time usage without any concerns.



Professional accessories

Boost the functionality of the EA510 device with Unitech's unique and versatile accessories. From single charging cradle to trigger gun grip to extended 5-slot charging cradles.



Short Range UHF (optional)

EA510 version with integrated short range UHF/RFID reader with reading distance up to 1 meter*.



Long Range UHF (optional)

EA510 version with integrated long range UHF/RFID reader with reading distance up to 6.5 meters*.

*Reading distance depends on environment, RFID tags and object.

Enjoying every task - The EA510 is designed to look sleek, feel sleek and work sleek - ALL DAY ROUND!

This enterprise mobile computer offers all great enterprise features but styled into a consumer smartphone design. The EA510 is impressive with its large 5.7" screen and thin and lighter design. More power-efficient for full-shift usage plus running with the latest Android 9.0 OS.

There is nothing more frustrating than when your device lags in the middle of a task. That's why the EA510 boosts a snappy processor: Qualcomm 660 Octa-core 64bits 2.2 GHz Processor.

The EA510's is a multitasking, responsive and ergonomic device whilst being competitively priced - it's time to move forward.



EA510

Version 1.0 Specifications

Operation System

CPU	Qualcomm 660 Octa-core 64bits 2.2 GHz Processor
Memory	RAM: 4GB DDR4, ROM: 64GB
OS	Android 9 with GMS Compatible through R
Card Slot	Micro SD/TF (max. 128GB) + Dual Nano-SIM
Language Support	Multiple languages supported

Display

5.7" (18:9) TFT-LCD HD colour (720 x 1440 pixels) display
1.1mm thick Corning Gorilla Glass III. Multi-touch and ultra sensitive capacitive touch screen, compatible with gloves and supports wet resistance.

Camera/Photos/Video

Front: 5MP camera
Rear: 16MP camera, Auto Focus, LED flash light

Indicator

LED, speaker and vibration

Audio

Dual-microphone supports with noise cancellation, high quality speaker, PTT headset support, cellular circuit switch voice, earphone jack.

Communication

Interface	USB Type C (Host/Client) Expansion I/O Pogo Pin
OTG	Yes, over USB Type C
WLAN	2.4G/5G Dual frequency WIFI IEEE 802.11a/b/g/n/ac/d/e/f/h/o/k/r/v/w IPV4, IPV6, Data rates 5Ghz: 802.11a/n/ac > up to 866.7Mbps 2.4Ghz: 802.11b/g/n/ > up to 300Mbps Operation channels 2.4Gh: 1-13 (depends on regulatory rules & certification agency) 5Ghz: 36,38,40,42,44,46,48,52,56,60,64,100,104,108,112,116,120,124,128,132,136,140,149,153,157,161,165. Security and encryption 802.1x(EAP): EAP-TLS, EAP-TTLS, PEAP-MSCHAPv2, PEAP-TLS, PEAP-GTC, PWD, SIM, AKA Encryption: WEP, WPA / WPA2-PSK
MIMO	2x2 MU-MIMO for faster uploading and downloading speeds
Fast roaming	PMKID caching, 802.11r, OKC
Bluetooth	Bluetooth 5.0 + BR/EDR + BLE with up to 240* meters distance (*Depends on environment and application). Increased range and bandwidth Multiple devices connection supported
Vo-LTE	Support Vo-LTE HD video voice call
WWAN 4G LTE	TD-LTE (B34/B38/B39/B40) FDD-LTE (B1/B2/B3/B4/B5/B7/B8/B12/B19/B220/B28A/B28B) WCDMA (B1/B2/B4/B5/B8), TD-SCDMA (B34/B39), CDMA2000 1xEV-DO Rev.A BC0 (800MHz), CDMA 1x GSM/EDGE/GPRS (850/900/1800/1900MHz)
GPS	GPS; GLONASS; Galileo; and BeiDou and A-GPS
Other Sensors	Acceleration sensor, Motion sensor, light sensor, Proximity sensor & Gyroscope.
Vibration	2Hz Random PK sine, 10cm displacement withstands multi-side 5000 vibration tests

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Software Support



airwatch[®] by vmware[®] SOTI[®] TeamViewer

Buttons

Side SCAN button x 2 (Left / Right), Power button, User-defined function button (programmable key), Volume switch button (+ / -), ON / OFF button, Touch keys x 3 (Home / Back / Recent)

Data capture

Scanning	Scanner (Engine: N6603) Reads all major 1D and 2D codes Supports; multi-reading, Picklist reading, Center decode, OCR function, DPM, Digimarc, DOT code.
RFID/NFC/Mifare	IFrequency 13.56Mhz (NXP NQ553) ISO 14443 Type A&B; FeliCa/Mifare and ISO 15693; Reader mode P2P mode, Card Emulation mode
RFID/UHF	EPC Gen-2, reading distance up to 6.5m*, integrated. (*Depends on environment, tags and object). UHF versions: EA510 Short Range UHF and EA510 Long Range UHF.

Fingerprint reader

Optical sensor	FBI PIV and FBI mobile ID FAP20 certificates. Recognition to open OS: 50ms typical Success rate FRR=1/10, Reject rate + 1/50000 For user to unlock the device. One user per device.
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Power Source

Main battery Swappable and rechargeable 3.8V 4300mAh Li-polymer battery pack.

Operation Typical operation Time 10 hours (depending on the specific environment)

Quick charging Support QC4.0 with separate power adapter over USB type-C port only

Charging time <3 hours (supports QC4.0 quick charge)

Enclosure

Weight	250g (with battery)
Dimension	162.6 mm x 76 mm x 13.6 mm

Environmental

Operating temperature	-20°C to 60°C
Storage temperature	-40°C to 70°C
Charging temperature	0°C to 45°C
Relative humidity	5% ~ 95% (non-condensing)
Drop specification	1.5m drop to concrete at room temperature per MIL-STD810G
Tumble specification	1.0m tumbles
Terminal Shock	-40°C to 70°C rapid transition
Sealing	IP67
ESD	±15kV air discharge ±8kV direct discharge
Tumble	1.0m tumble for 200 cycles and 400 times

Regulatory Approvals

CE, RED, RoHS, BQB



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