

EA510HC HEALTHCARE SOLUTION

Unitech Healthcare Mobile Computer



Anti-Microbial and Disinfectant-Ready

The EA510HC housing material meets the Anti-Microbial ISO 22196 and Ethanol safe material ISO11737-1/-2 standard. The housing can be cleaned with alcohol (ethanol safe) and sterilized water by wiping the surfaces of the device.

5.7" screen & compact body

Medical personnel can grab all information in a glance by its large and vivid HD display. The Ultra-high brightness touch screen delivers clear vision even under sunlight. The 5.7" sized screen combined with a small body size will give an excellent ergonomic feeling.



Fingerprint reader

After safe cleaning the EA510HC you can instantly unlock the device with a slightest touch. The fingerprint reader is located on the back for easy access.



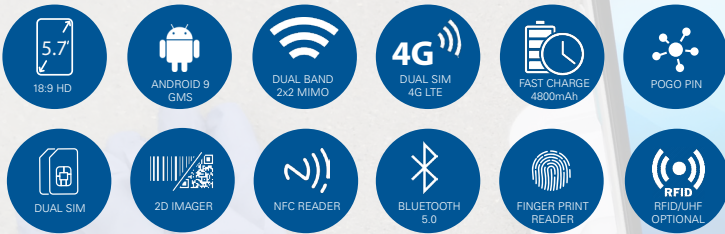
Data collection and Full communication

The EA510HC integrates a 2D imager, HF/NFC reader and support Dual band fast roaming WiFi (MIMO antenna design) and 4G dual nano-sim. In addition the EA510HC offers a pre-installed network-based voice intercom system. Teamwork is accessible by anyone, anywhere at any time by voice command and TTS (text-to-speech).



Removable battery & advanced charging

For the Healthcare smartphone, long battery life is essential. The EA510HC comes with a swappable 42000mAh battery - long-time usage without any concerns. Thanks to the Quick Charge 4.0 technology, you will spend less time charging - fully charged within 3 hours. In addition the EA510HC offers a diverse range of charging cradles specially designed for health care.



Allowing staff to FOCUS on PATIENT CARE

The EA510HC is designed for healthcare workers.

Healthcare workers on the frontlines deserve the best tools to deliver the best care. With an Android 9 OS + GMS and impressive large 5.7" screen, the EA510HC delivers more efficiency in one smart device.

Stylish and intuitive along with an integrated high-performance 1D/2D barcode scanner, healthcare workers may use this device to check patient identification and prescription orders through barcode and RFID tag technology to ensure correct medication, dosage, and patient identification before medicines are administered to patients.

The EA510HC is an excellent tool, it increases mobility, improves efficiency in Point of Care or even a safe device for retail or logistics usage.

Armed with a snappy Qualcomm 660 Octa-core 64bits 2.2 GHz processor you will be able to upgrade the Android OS through to R.



4-slot battery charger



5-slot terminal charger



1-slot terminal charger
(with spare battery charger)



EA510HC

EN Version 1.2

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 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 WLAN 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) (Optional model) 4G data communication only version is also available (no voice feature). GPS GPS; GLONASS; Galileo; and BeiDou and A-GPS |

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|---------------|---|
| Other Sensors | Acceleration sensor, Motion sensor, light sensor, Proximity sensor & Gyroscope. |
| Vibration | 2Hz Random PK sine, 10cm displacement withstands multi-side 5000 vibration tests |

Device Management Tools



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

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| Scanning | Scanner (Engine: N6603) Reads all major 1D and 2D codes Supports; multi-reading, Picklist reading, Center decode, OCR function, DOT code. |
| RFID/NFC/Mifare | Frequency 13.56Mhz (NXP NQ553) ISO 14443 Type A&B; FeliCa/Mifare and ISO 15693; Reader mode P2P mode, Card Emulation mode |

Fingerprint reader

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| Optical sensor | Chip-based sensor 112x88 sensing array Support finger wake-up function One user enrollment per device |
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Power Source

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| 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

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

Environmental

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| 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 |

Anti-Microbial and Ethanol safe standards

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| ISO11737-1/2 |
| ISO 22196 |

Regulatory Approvals

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| CE, RED, RoHS, BQB |
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