



EA320

Industrial PDA



Specially designed for input-intensive applications, the unitech EA320 industrial PDA is combining with a 21-key keypad and delivers a host of new features that evolves the service level for a variety of vertical applications such as warehousing, transportation, logistics, and manufacturing.

Powerful Android 9 OS with Instinctive data entry design

Powered by Android 9 OS with GMS certification, the EA320 mobile computer has a 4-inch display and 400nits brightness for easy viewing. It is integrated with a 21-key keypad as well as dual scanning buttons for instinctive data entry and barcode capturing that delivers a convenient experience for users.

All-in-one design

The EA320 is equipped with a 1D/ 2D barcode scanner that makes scanning more comfortable and flexible. In addition, the device offers a GPS, a HF/NFC RFID reader/writer, a 13 MP camera to complete your data collection requirements.

Empower workforce productivity with wireless technology

With a long-lasting 4500 removable battery, the EA320 allows continuous use for days and it is easily replaced while running out of power. Enjoy the fastest data speeds out there with the integrated Bluetooth 4.2, advanced WLAN and 4G LTE connectivity, this device also comes with a dual SIM card design that delivers the real time connections to handle daily jobs and empower workforce productivity.

Enhance the industrial durable protection for best customer experience

Capable to withstand multiple 1.5m drops to concrete and IP65 rated against water and dust, makes EA320 easy to survive in critical environment

Features

- Android 9 OS with GMS certification
- 4" HD display and 21-key keypad for input-intensive applications
- Industrial grade performance: 1.8GHz octa-core processor
- All-in-one function: GPS, 2D Imager, HF/NFC and 13MP Camera.
- Support Bluetooth® 4.2 and dual-band IEEE 802.11a/b/g/n/ac/d/e/h/i/k/r/v/w, fast roaming
- IP65 rated and 1.5m drop specification.
- Long-lasting swappable 4500mAh battery
- Device supported versatile: AirWatch, SOTI, and MoboLink.



Operation System

CPU	Qualcomm® Snapdragon 450, 1.8GHz Octa core 64-bit Processor
Memory	2GB DDR RAM, 16GB ROM 4GB DDR RAM, 64GB ROM (optional)
OS	Android 9 with GMS certification
Languages support	Multi-language

Display

4" Capacitive type 5 points multi-touch touch screen with Gorilla® 3 Glass, compatible with Capacitive Stylus/ gloves / wet resistance
TFT-LCD WVGA (480 x 800) color, Backlight 400nits

Keypad

21-key numeric

Camera/Photos/Video

2MP front camera
13MP rear camera with LED flash and auto-focus function

Symbologies

2D Imager Engine	1D codes : All major codes 2D codes : Composite Codes ,PDF417, MicroPDF417, Data Matrix, Data Matrix Inverse, Maxicode, QR Code, Micro-QR, QR Inverse, Aztec, Aztec Inverse, Han Xin, Han Xin Inverse, Postal Codes, US Postnet, US Planet, UK Postal, Japan Postal, Australian Postal, Netherlands KIX Code
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Regulatory Approvals

CE, RED, CCC, NCC, FCC, RoHs compliance



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Communication

USB	USB Type-C
OTG	Yes, over USB Type-C
POGO PIN	Charging via cradle and USB client
WLAN	IEEE 802.11 a/b/g/n/ac/d/e/h/i/l/k/r/v/w, IPv6 Security of WLAN : WEP, WPA/WPA2 PSK, 802.1x EAP, WAPI, WAPI-PSK Fast Roaming : support 802.11r, Roam Trigger, Roam Period, Roam Delta
Bluetooth®	Bluetooth® 4.2
WWAN	LTE TDD(B34/B38/B39/B40/B41) FDD (B1/ B2/ B3/ B4/ B5/ B7/ B8/ B12/ B13/ B14/ B17/ B19/ B20/ B25/ B26/ B28/ B66) WCDMA (B1/ B2/ B4/ B5/ B8) GSM/EDGE/GPRS (850/ 900/ 1800/ 1900) TD-SCDMA (B34/ B39) CDMA2000 1x EV-DO Rev.A BC0 (800MHz) CDMA 1x GSM/EDGE/GPRS (850/ 900/ 1800/ 1900)
GPS	GPS, AGPS, Glonass, BeiDou, Galileo
NFC	Support ISO14443 (Type A/B) , ISO15693 , MIFARE, FeliCa
Sensors	Proximity sensor, light sensor and G-sensor

Power Source

Main Battery	3.8V 4500mAh Li-polymer battery
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Environmental

Operating temperature	-20°C to +60°C
Relative Humidity	5% ~ 95% (non-condensing)
Drop Specification	1.5m to concrete
Sealing	IP65

Enclosure

Weight	294g (with battery and hand strap)
Dimension	164.5 mm x 68.6 mm x 17.5 mm

Accessories

Single slot charging cradle w/ 1 spare battery slot
Single slot USB cradle w/ 1 spare battery slot
Power Supply & Power cord for cradle
USB type C cable
Adaptor for terminal
Hand strap
9H glass screen protector
Gun grip

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