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EA530

Rugged Smartphone

IP65 & IP68 + 1.5m Drop I Warm-Swappable 4250mAh Quick-Release Battery I Optional UHF RFID (up to 1.8m)

Powered by Android 15 OS with GMS Certified

The EA530 is a 6-inch Android 15 rugged smartphone equipped with an advanced 2.2 GHz octa-core processor for smooth and efficient multitasking. Designed to handle demanding tasks with ease, it ensures stable performance in fast-paced business environments. With Google Mobile Service (GMS) certification, the EA530 provides secure, reliable connectivity for enhanced productivity across industries.

Seamless Connectivity with Wireless Communication

Featuring reliable 4G LTE connectivity and enhanced by the latest Wi-Fi 6E technology, the EA530 delivers wide coverage and high-speed connections across 2.4GHz, 5GHz, and 6GHz bands. With fast roaming, Bluetooth® 5.2 for real-time data collection, and DBS (Dual-Band Simultaneous) technology supporting simultaneous transmissions on multiple bands, it ensures consistent and efficient network performance, keeping users seamlessly connected at all times.

Optional RFID for Expanded Functionality

The EA530 offers optional RFID functionality that can be seamlessly integrated with the standard gun grip. Users can perform both convenient barcode scanning and RFID scanning in one device, with RFID reading distances of up to 1.8 meters, making it an ideal solution for efficient inventory tracking and asset management. The EA530 is also compatible with the RP300 long-range RFID mobile reader, enabling reading distances of up to 25 meters. This high-performance capability is ideal for real-world applications, helping retailers and warehouse operators efficiently manage high shelves, storage areas, and inventory workflows across retail, logistics, and field service environments.

Premier Barcode Reading Performance

Featuring powerful 1D/2D scanning capability, it also supports DPM codes (10mil) and ensures read reliability for mobile phone screens and paper in any orientation. Powered by a removable 4250mAh quick-release battery, it integrates HF/NFC RFID reader/writer and UHF RFID (optional), along with GPS and a high-resolution 16MP camera in a compact device. The EA530 gives your workforce the technology it needs to take your business to the next level.

Streamlined Workflow with eSIM Technology

The EA530's eSIM technology revolutionizes connectivity by removing the need for physical SIM cards, ensuring convenience across various industries. Embedded securely within the device, the eSIM eliminates the risk of loss or damage while enhancing security by preventing unauthorized removal. Network switching is effortless—simply connect to Wi-Fi, scan a QR code, or enter an activation code. Optimized for efficiency, the EA530 delivers seamless, reliable connectivity, perfectly suited to the dynamic demands of retail, logistics, and beyond.

Features

- Android 15 OS with GMS Certification
- Wireless Communication: 4G & Wi-Fi 6E
- All-In-One functionality: 2D Imager, NFC, 8MP front camera, and 16MP rear camera
- Rugged Design: Corning® Gorilla® Glass touch display, IP65 & IP68 rated, and 1.5M drop (1.8M with boot case)
- Warm-swappable 4250mAh quick-release battery
- Optional UHF RFID powered by Impinj E310 (reading distance up to 1.8m)
- Support Gen2X (Coming Soon)
- Compatible with RP300 long-range RFID mobile reader for up to 25m reading distance
- Support unitech software solutions, SDKs, MoboLink, and MDM solutions

unitech

EA530
Specifications



Operation System

OS	Android 15 (upgradable to A17)
GMS certified	GMS certified
CPU	Octa-core 2.2GHz Processor
Memory	6 GB RAM / 64 GB Flash
Languages support	Multiple languages

Display

Screen Size	6", HD+ (1440x720) color screen, backlight 500 nits
Touchpanel	Multi-Touch Capacitive Touch Panel, support stylus, glove, wet-finger Compatibility

Keypad

6 keys- Programmable function button; dual dedicated scan buttons; volume up & down buttons; on/off button

Indicator

LED, Speaker, Vibrator

Camera

8MP front camera,
16 MP Rear with auto-focus function and Flash Light

RFID

UHF (Option)	Up to 1.8m 865~868MHz (EU), 902~928MHz (US)
HF	Frequency 13.56MHz, support NFC Compliance w/ ISO14443A/B, ISO15693, Mifare, Felica(ISO/IEC18092)

Power Source

Main battery	Warm Swappable 4250mAh Li-Polymer battery / battery with cover in one piece

Enclosure

Dimensions (H x W x D)	161 x 76.8 x 14.15 mm
Weight	242g ±1% (w/ battery)

Symbologies

1D Barcodes	Support all major 1D barcodes
2D Barcodes	Support all major 2D barcodes

Communication

Bluetooth®	Bluetooth® 5.2 , BLE
WLAN	Wi-Fi 6E, 2.4GHz & 5GHz & 6GHz IEEE 802.11a/b/g/n/ac/d/e/h/i/k/r/u/w/v/ax, Support DBS Security: WPA3, WPA2, WPA & WEP
WWAN	4G LTE (FDD): B1/2/3/4/5/7/8/12/17/19/20/28a&b/66 LTE (TDD): B38/39/40/41 3G WCDMA: B1(2100MHz), B2(1900MHz), B4(1700MHz), B5(850MHz), B8(900MHz) 2G GSM: B2(1900MHz),B3(1800MHz), B5(850MHz), B8(900MHz)
GPS	GPS/Beidou/Glonass/Galileo/A-GPS
Sensors	Gyroscope, G-sensor, E-compass, Light & Proximity Sensor

I/O Interfaces

USB	USB 2.0 (type-C), support USB OTG
POGO PIN	PogoPin backside: Support Gun-grip PogoPin bottom: Charging via cradle
SIM Slot	1 eSIM, 1 Nano SIM
Expansion Slot	Micro SD x 1, up to 1TB
Audio	One speaker (95dB @ 10cm), One receiver, Dual noise-cancelling microphones, Smart PA

Environmental

Operating temperature	-20°C to 50°C
Storage temperature	-30°C to 70°C, w/o battery
Charging temperature	0°C to 45°C
Relative Humidity	5% ~ 95% (Non-Condensing)
Drop Specification	1.5m , 1.8m with boot case
Sealing	IP65 & IP68
Vibration/ Tumble test	0.5m tumbles for 300 cycles / 600 drops

Software

MDM Software	SOTI, VMware and MoboLink

Regulatory Approvals

CE, FCC, NCC, VCCI, TELEC, CCC, SRRC, BQB, N-Mark, RoHS 2.0

Accessories

Hand Strap with fixed arm	1-Slot USB / Ethernet cradle
Belt Holster	4-Slot Battery charging cradle
USB 2.0 type C cable	5-slot Terminal charging cradle
9H glass screen protector	Gun grip
	Stylus & Coiled strap

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EA530
Software Solution

Development Tools

Unitech SDK | Scanner SDK | RFID SDK | EBrowser

Unitech offers a number of SDK toolkits for developers to write apps that can interact with the unitech devices for the mobile, scanner, and the RFID product lines.

Device Management

SOTI
42GEARS
vmware
ivanti | Wavelink



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 kiosking 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 attery 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.

TagAccess
For versatile functions of RFID command via integrating with Unitech RFID Readers.

ScanBridge
A powerful scanner app for iOS, Android and Windows. Easy pairing, auto setup, advanced editing and validation tools streamline your scanning.

Productivity and Utilities

USS | USS Profiles
Configure all scanner settings with friendly user interface and enable the service to make scanning data as keypad input.

USS Camera
Capture barcode data using the device camera and send the data to your applications as keyboard inputs.

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

WLAN Advanced
Configure advanced WLAN settings such as power saving mode and roaming parame-ters.

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

UNote
A simple text viewer and editor for use in your work flows.

Startup
Auto-run apps when device boots up.

Unitech Scanner Utility
An Android application which helps users connect, configure and use a supported Unitech Bluetooth scanner.

Logger
An easy and fast way to get logs from a device.

Enterprise Keyboard
Enterprise Keyboard gives various methods for user to input data to enhance efficiency and productivity.

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