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EA660

6" 5G Rugged Smartphone

5G & WiFi 6E | 6" Corning® Gorilla® Glass Victus® & 630 nits Display | 12m Barcode Reading Distance

Featuring an advanced Android 13 operating system and 5G & WiFi 6E wireless communication, the EA660 offers real-time data collection, a seamless working experience, and enhances stock management efficiency in industries such as retail, hospitality, logistics, and healthcare.

Powered by Android 13 OS with GMS & AER Certified

The EA660 is a 6-inch Android 13 rugged smartphone equipped with an advanced 64-bit Octa Cores CPU capable of reaching speeds up to 2.4 GHz. It effortlessly handles demanding tasks while ensuring smooth multitasking. With the distinction of Google Certification, encompassing Google Mobile Service (GMS) and Android Enterprise Recommended (AER) endorsement, the dual certification assures a secure and efficient business environment.

Seamless and Connectivity via Wireless Communication

Featuring 5G connectivity and enhanced by the latest Wi-Fi 6E technology, the EA660 offers unprecedented wireless connectivity across 2.4GHz, 5GHz, and 6GHz bands for extensive coverage and blazing-fast internet speeds. With fast roaming, Bluetooth® 5.2 for real-time data collection, and DBS (Dual-Band Simultaneous) technology supporting simultaneous transmissions over both 2.4GHz and 5GHz frequencies, it ensures a more reliable and efficient network performance. This setup allows users to scan items and instantly connect to the backend system to find out the quantity in stock or make an online order for customers. The EA660 delivers a seamlessly work experience and improves productivity for various applications, making it faster downloads and uploads at user's fingertips on the most reliable networks for your business.

Premier Barcode Reading Distance

Featuring powerful 1D/2D scanning capabilities and utilizing premier 2D barcode scanning technology, the EA660 rugged smartphone offers an optional engine that enables barcode reading at distances of up to 12m with 5G and WiFi6E connectivity. This provides the perfect solution for the retail and logistics environments, allowing users to enjoy high-performance barcode reading, whether it's from a short or long distance, and optimize their work efficiency.

Durable design and flexible Options

The EA660 enhances industrial durability with features such as simultaneous IP65 and IP67 dustproof and waterproof ratings, along with resistance to falls from a height of 1.5 meters (1.8 meters with boot case).It has various accessories such as RFID gun grip and cradles and also supports unitech software solutions, SDKs, MoboLink, and 3rd party MDM solutions such as VMware, SOTI, Ivanti Wavelink.

Features

- Android 13 OS with GMS & AER Certification
- Wireless Communication: 5G & WiFi 6E
- All-In-One functionality: 2D Imager, NFC, 5MP front camera, and 16MP rear camera
- Rugged: Corning® Gorilla® Glass Victus® touch display, IP65 & IP67 rated, and 1.5M drop (1.8M with boot case)
- Premier barcode reading distance : Up to 12M (Optional engine)
- Long-lasting removable 5000mAh UL certified smart battery
- Support unitech software solutions, SDKs, MoboLink, and MDM solutions

Wi Fi CERTIFIED SOTI vmware

unitech

EA660
Specifications

Operation System

OS	Android 13 (upgradable to A17) with GMS & AER certified
CPU	Qualcomm® Snapdragon™ 4490, 64bits Octa-core Processor, up to 2.4 GHz
Memory	6GB RAM / 128 GB Flash, UFS
Languages support	Multiple languages

Display

Screen	6", 18:9 FHD+ (2160 x 1080) color screen, Backlight 630 nits
Touch Panel	Corning® Gorilla® Glass Victus®, Multi-Touch User Interface with Capacitive, stylus (5.5mm) , glove mode, wet-finger Compatibility

Keypad

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

Indicator

LEDs, Vibrator, Speaker

Camera

5MP front camera,
16 MP Rear with auto-focus function and Flash Light

RFID

HF	Support HF/NFC Frequency 13.56Mhz Support: ISO14443A/B, ISO15693, Mifare, Felica(ISO/IEC18092) compliance

Symbologies

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

Power Source

Main battery	3.87V, 5000mAh Li-ion battery Support warm swap

Enclosure

Dimensions (H x W x D)	162.9 mm x 77mm x 14.9mm
Weight	270g±1.5% (with battery)* *The weight will vary depending on the configuration.

Regulatory Approvals

CE, UKCA, FCC, IC, NCC, VCCI, TELEC, CCC, SRRC, RoHS, CEC, BQB, N-Mark

Software

MDM Software	SOTI, VMware and MoboLink

Communication

Bluetooth®	Bluetooth® 5.2
WLAN	WiFi 6E, 2.4GHz & 5GHz & 6Ghz IEEE 802.11a/b/g/n/ac/ax/d/e/h/i/k/r/v (MIMO 2X2), Support DBS & Fast roaming Security WPA3, WPA2, WPA & WEP
WWAN	5G NR: n1, n2, n3, n5, n7, n8, n12, n20, n28, n34, n38, n39, n40, n41, n48, n66, n77, n78, n79 4G LTE (FDD): B1, B2, B3, B4, B5, B7, B8, B12, B13,B14, B17, B19, B20, B28, B66 LTE (TDD): B34, B38, B39, B40, B41, B48 3G WCDMA/UMTS/HSPA+ : B1(2100MHz), B2(1900MHz), B4(1700MHz), B5(850MHz), B8(900MHz) 2G GSM/GPRS/EDGE: B2(PCS1900), B3(DCS1800), B5(GSM850), B8 (GSM900) Support Data, SMS and Voice capabilities *n48& B48 for CBRS
GPS	GPS/GLONASS/Gallileo/BeiDou/QZSS (L1+L5)
Sensors	G-sensor(Accelerometer), Proximity + Light Sensor, E-Compass, Gyroscope sensor

I/O Interfaces

USB	USB 3.1 (type-C) support USB OTG Support Ethernet/USB-Host via cradle
OTG	Yes, over USB Type-C
POGO PIN	PogoPin backside: Support Gun-grip PogoPin bottom: Charging via cradle
SIM Slot	Dual nano SIM Slot
Expansion Slot	MicroSD, up to 1TB
Audio	One speaker (95±3dB @ 10cm), One receiver , Dual noise-cancelling microphones, Smart PA

Environmental

Operating temperature	-20°C to 55°C
Storage temperature	- 40°C to 70°C (without battery)
Charging temperature	0°C to 45°C
Relative Humidity	5% ~ 95% (Non-Condensing)
Drop test to Concrete	1.5m , 1.8m with boot case
Environmental Sealing	IP65 & IP67
Vibration/ Tumble test	MIL-STD 810G

Accessories

- USB 3.0 Type-C Cable(Support Fast Charge)
- Fast Charge Adaptor via USB Type-C Cable
- Hand Strap
- Boot Case
- 9H Glass Screen Protector
- Battery 3.87V 5000mAh
- Stylus (5.5mm)
- Coiled Strap
- Standard Gun Grip
- Single Slot Charging Cradle
- Single Slot USB Cradle
- Single Slot Ethernet Cradle
- 5-Slot Terminal Charging Cradle
- 5-Slot Ethernet Cradle
- 4-Terminal+ 4-battery Charging cradle
- 4-slot battery charger

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EA660
Software Solution



Development Tools

Unitech SDK

Scanner SDK

RFID SDK

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.

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

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 parameters.

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.

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

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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