PA768e UHF

6.3" 4G Rugged Touch Computer

4G eSIM & Wi-Fi 6E | 5100mAh hot-swappable battery | Built-in RFID (Impinj E310) up to 1.8M

Unitech introduces the PA768e UHF, a 4G rugged touch computer designed to elevate operational efficiency with eSIM, Wi-Fi 6E technology support, and robust outdoor durability for field service, transportation, and logistics applications.

Seamless and Connectivity via Wi-Fi 6E

Featuring Wi-Fi 6E technology, the PA768e UHF rugged mobile computer delivers incredible transmission speeds and lower latency, providing users with reliable, high-speed connections to synchronize with systems and handle tasks more efficiently. It empowers users to embrace a new era of speedy connectivity for businesses.

Advanced Workflow with eSIM Technology

The PA768e UHF's eSIM technology revolutionizes connectivity by removing the need for physical SIM cards, ensuring greater 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—users can simply connect to Wi-Fi, scan a QR code, or enter an activation code. Optimized for efficiency, the PA768e UHF delivers seamless, reliable connectivity, perfectly suited to the dynamic demands of logistics, warehousing, and beyond.

Reliable at its best

The PA768e UHF is GMS certified, helping users tackle even the toughest workdays with ease. With IP65 and IP68 enterprise-grade protection and the ability to withstand 1.8-meter drops (with bumper), the PA768e UHF is the perfect tool for maximizing data collection, management, and traceability across transportation and logistics, field service, manufacturing, and more!

Support Gen2X (Coming Soon)

Impinj Gen2X is an advanced RAIN RFID solutions toolbox designed to elevate performance and reduce total solution costs. Key advantages include significantly faster inventory counts and improved read accuracy and range—particularly for small, embedded, or hard-to-read tags. These improvements help reduce labor costs and enable new use cases such as food tagging. Gen2X also introduces enhanced security features, including protection against tag and item counterfeiting and privacy safeguards at the point of sale.

The PA768e UHF supports Impinj Gen2X, delivering enhanced RFID performance that improves the user experience and boosts operational efficiency across various applications.

Features

- Android 14 OS with GMS certified
- 4G LTE with eSIM enterprise handheld computer
- Support Wi-Fi 6E : 2.4 and 5GHz frequency as well as the 6GHz band
- Support eSIM technology: Effortless connectivity without physical SIM cards
- Powered by Impinj E310, Gen2X support (coming soon)
- Superior barcode engine : 1D/ 2D/ DPM (7mil) / DOT code/ barcodes on screens/ OCR
- Multi-Scan function: Available to read 10 barcodes at one time
- 1.5M drop-resistant housing (1.8M with bumper)
- IP65 & IP68 heavy-duty protection against water and dust
- True Hot-swap UL certified battery design without downtime
- Support MDM Software Solutions and utilities such as SOTI, VMWare, 42Gears, and MoboLink

Operation System

OS	Android 14 w/ GMS & AER,Upgradeable to Android 16
CPU	Qualcomm Snapdragon™ 6225 Processor, 8 Cores, up to 2.4GHz
Memory	6 GB RAM / 64GB Flash (128GB option), UFS
Security	Supports Secure Boot and Verified Boot
Languages support	Multiple languages

Display

Screen Size	6.3″ Color LCD 2340 X 1080 (FHD+) High Resolution Display
Touchpanel	Gorilla® Glass with Multi-Touch Capacitive Touch Panel, support stylus, glove, wet-finger Compatibility High sunlight visibility- LCD backlight up to 500nits

Keypad

Programmable key, Volume up/down key, Left/right scan key, Power key

Indicator

LED, Vibrator

Camera

5 MP Front camera
16 MP Rear Camera with LED flash and auto-focus function

RFID

UHF	Short range integrated UHF RFID; 1.8 m range. Support long range UHF RFID gun grip (RG768); 15 m range.
HF	Support HF/NFC, Frequency 13.56Mhz Support: ISO14443A/B, ISO15693, Mifare, Felica(ISO/IEC18092)

Power Source

Main battery	Hot Swappable 5100mAh Li-Polymer battery / battery with cover in one piece
Extended battery	7700mAh / battery with cover in one piece (optional)
Hot Swap	Yes

Enclosure

Dimensions (H x W x D)	167mm x 75.5mm x 17mm
Weight	270g (w/o bumper & hand strap)

Symbologies

Build-in 2D barcode imager engine with red laser aimer
Support All 1D&2D major barcodes

Communication

Bluetooth®	Bluetooth® 5.1
WLAN	2.4GHz & 5GHz & 6GHz
	IEEE 802.11 a/b/g/n/ac/d/h/i/k/r/v/ax, support WIFI 6E, MU-MIMO (2x2), WiFi Direct and Hot spot Security WPA3, WPA2, WPA & WEP
WWAN	4G LTE(FDD) – Bands 1, 2, 3, 4, 5, 7, 8, 12, 14, 17, 20, 28 (TDD) – Bands 38, 39, 40, 41
	3G UMTS/HSPA+ – Bands 1, 2, 5, 8
	2G GSM/GPRS/EDGE (850/900/1800/1900 MHz)
GPS	GPS/GLONASS/Gallileo/Beidou
Sensors	Gyroscope, G-sensor, E-compass, Light & Proximity Sensor

I/O Interfaces

USB	USB 3.1 type C, support fast charging, OTG
POGO PIN	Bottom pogo pin for cradles, rear pogo pin for gun grips
SIM Slot	Dual SIM: Nano SIM Slot x 1, eSIM x 1
Expansion Slot	Micro SD x 1, up to 1TB
Audio	Speaker support 95 dB at 10cm Dual-Microphone support noise cancellation

Environmental

Operating Temperature	-4°F to 131°F (-20°C to 55°C)
Storage Temperature	-22°F to 158°F (-30°C to 70°C), w/o battery
Charging Temperature	32°F to 113°F (0°C to 45°C)
Relative Humidity	5% ~ 95% (Non-Condensing)
Drop test to Concrete	1.5 m, 1.8 m w/ optional bumper
Environmental Sealing	IP68 & IP65
Vibration/ Tumble Test	Tumble 600 times (1.6 ft./0.5 m)

Software

MDM Software	SOTI, VMWare, 42Gears, and MoboLink

Regulatory Approvals

CE, FCC, RoHS 2.0

Accessories

Hand Strap
USB 3.0 type-C cable
Fast Charge Adaptor
9H Glass Screen Protector
Multi-Slot Terminal Charging / Ethernet Cradle / Battery Charger
1-Slot Charging / USB / Ethernet cradle
Standard / UHF Gun Grip (RG768)
Stylus & Coiled Strap

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