

PA768 (Wi-Fi only)

6.3" Rugged Touch Computer

Wi-Fi 6E Technology | 10m Barcode Reading Distance | Hot Swappable 5100mAh Battery

Unitech is thrilled to present its latest innovation, the PA768 rugged mobile computer (Wi-Fi version), designed to provide dependable and efficient mobile computing for indoor warehousing operations. Boasting high-speed and low-latency data transfer capabilities with Wi-Fi 6E technology, the PA768 ensures fast and reliable information access for maximum user benefit. With its durable and ergonomic design, the PA768 is the ideal solution for streamlining warehouse operations and increasing productivity.

A New Generation of Wi-Fi 6E

Featuring Wi-Fi 6E technology, the PA768 rugged mobile computer delivers incredible speed in transmissions and lower latency to give mobile workers reliable and higher speed to synchronize with the system, handling jobs more efficiently.
It helps user in a new era of speedy connection for businesses.

Especially Designed for Outdoor Applications

The PA768 is combined with superior barcode scanning ability, sunlight-readable 500 nits display, and durable design that makes it an ideal tool to handle complex tasks with mobility and efficiency. Field service technicians can use the touch panel while wearing gloves, or wet-finger communicate real-time status with coworkers, and capture images on sites with a 16MP camera. Its all-in-one functionality allows staff to manage tasks more precisely and productively.

Reliable at its best

The PA768 also comes with the GMS and AER certified that makes your toughest workdays easier. Reaching IP65 & IP68 enterprise protection and withstanding 1.8M drop makes PA768 a perfect tool to maximize data collection, management, and traceability in nearly every practice of transportation & logistics, field service, manufacturing, and more!

Various Accessories

It allows users to add values to your device with the standard gun grip or unique UHF RFID gun grip. Just simply attach it, and it will deliver a convenient way to support standard barcode scanning, RFID scanning in inventory tracking and taking solutions.

Features

- Android 14 OS with GMS and AER certified
- Support Wi-Fi 6E : 2.4 and 5GHz frequency as well as the 6GHz band
- 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 battery design without downtime
- Support MDM Software Solutions and utilities such as Airwatch, SOTI, Ivanti Wavelink, and MoboLink.

android enterprise recommended | SOTI | Ivanti Wavelink Validated | StayLinked

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Specifications



Operation System

OS	Android 14 (upgradable to Android 16) with GMS & AER certified
CPU	Qualcomm Snapdragon™ 6490 Processor, 64bits, Octa Cores up to 2.7 GHz
Memory	6 GB RAM / 64GB UFS Flash (128GB option)
Languages support	Multiple languages
AI	6th Gen Qualcomm AI Engine

Display

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

Keypad

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

Indicator

LEDs, Vibrator, Speaker

Camera

5 MP Front camera
16 MP Rear Camera with LED flash and auto-focus function, Support Google ARcore

RFID

UHF	UHF gun grip (see RG768)
HF	Support HF/NFC Frequency 13.56Mhz Support: ISO14443A/B, ISO15693, Mifare, Felica(ISO/IEC18092)

Power Source

Main battery	Hot Swappable 5100mAh Li-ion battery / battery with cover in one piece
Extended battery	7700mAh / battery with cover in one piece (optional)
Hot Swap	Yes, Keeps applications active up to 1 minute

Enclosure

Dimensions (H x W x D)	167mm x 75.5mm x 17mm
Weight	270 g (with standard battery)

Symbologies

Built-in 2D imager engine with red laser aimer, with 1 Mpx & global shutter function
Optional Middle range engine support read range up to 10 meters
Support all 1D & 2D major barcodes

Communication

Bluetooth®	Bluetooth® 5.2 , BLE 5, Class 1
WLAN	Wi-Fi 6E(802.11ax), 2.4GHz & 5GHz & 6GHz, support Dual-Band Simultaneous (DBS) IEEE 802.11a/b/g/n/ac/d/e/h/i/k/r/v/w/mc/ax (2x2 MU-MIMO) Security WPA3, WPA2, WPA & WEP
Sensors	Gyroscope, G-sensor, E-compass, Light & Proximity Sensor

I/O Interfaces

USB	USB 3.1 type C, support fast charging, OTG, DP Alt Mode
POGO PIN	Bottom pogo pin for cradles, rear pogo pin for gun grips
Expansion Slot	Micro SD x 1, up to 1TB
Audio	SmartPA Speaker support 100 dB at 10cm Dual-Microphone support noise cancellation

Environmental

Operating temperature	-20 C to 55 C (-4 F to 131 F)
Storage temperature	-40 C to 70 C (-40 F to 158 F), without battery
Relative Humidity	5% ~ 95% (Non-Condensing)
Drop test to Concrete	1.8 meter with bumper 1.5 meter without bumper
Environmental Sealing	IP65 & IP68 per IEC 60529
Vibration/ Tumble test	Tumble 600 times (1.6 ft./0.5 m)

Regulatory Approvals

CE, FCC, NCC, VCCI, TELEC, CCC, SRRC, BQB, N-Mark, 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
Stylus & Coiled Strap

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PA768
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 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.

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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