



HT730 Plus UHF

RFID Rugged Handheld Terminal

Impinj E710 and Gen2X Support | 25m Read Range | IP65 & 1.8m Drop

HT730 Plus UHF is designed to enhance RFID efficiency across demanding enterprise workflows. It enables faster, longer-range data capture to help improve operational efficiency in warehousing, logistics, and field service.

Built for Faster, More Efficient RFID Workflows

Limited read range, repeated scanning, and unreliable performance can slow down high-volume operations. HT730 Plus UHF helps improve RFID efficiency with long-range data capture, durable design, and dependable connectivity for demanding warehouse, field, and logistics environments.

Improve RFID Efficiency in Large Warehouse Operations

In warehouse operations, limited read range and repeated scanning can affect inventory efficiency and increase workload during daily tasks. With 25m read range and 1,300+ Tags/Sec performance, HT730 Plus UHF helps improve execution across receiving, put-away, cycle counting, and shipping by enabling faster RFID capture across wider areas.

Enhance Workflow Speed in Logistics Operations

In logistics workflows, slow verification and inconsistent data capture can reduce operational efficiency and limit shipment visibility. Built with Impinj E710 and Gen2X support, HT730 Plus UHF enables faster, more dependable RFID reading to help teams process tagged goods more efficiently across staging, transfer, and shipment workflows.

Support Reliable RFID Performance in Field Operations

Field service teams often work in dynamic environments where both mobility and device reliability are essential. HT730 Plus UHF combines rugged durability with dependable wireless connectivity, including IP65 sealing, 1.8m drop resistance, Wi-Fi 6E, and Bluetooth® 5.2, to support more reliable asset identification and daily productivity in demanding field operations.

Features

- **Impinj E710 with Gen2X Support** — Delivers fast, reliable RFID performance for enterprise workflows
- **25m Read Range** — Captures tagged items across wider areas with fewer rescans
- **1,300+ Tags/Sec** — Accelerates high-volume RFID reading and task efficiency
- **IP65 / 1.8m Drop Resistance** — Built for reliable use in demanding environments
- **Hot-Swappable 6700mAh Battery** — Supports long shifts with minimal downtime
- **Advanced Wireless Connectivity** — Enables smooth mobile workflows with Wi-Fi 6E, fast roaming, and Bluetooth® 5.2

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HT730 Plus UHF

Specifications



Operation System

OS	Android 14
CPU	Qualcomm® Snapdragon™ 4490, 64bits Octa-core Processor, up to 2.4 GHz
Memory	6GB RAM + 128GB UFS Flash
Languages support	Multi-languages

Display

Screen Size	4"TFT-LCD WVGA (480x800) color, (400 nits)
Touchpanel	Ultra-sensitive capacitive touch screen, compatible with gloves (thickness 4 mm) and support wet resistance, stylus (3 mm)

Camera

16 MP with auto-focus and LED flash

Keypad

Function Numeric (38 key) with backlight

Indicator

LED, Speaker, Vibrator

Power Source

Main battery	Hot Swappable 6,700mAh, 3.7V
Push button	Trigger

Symbologies

2D Barcodes	SE4770

Regulatory Approvals

FCC, TELEC, CE

RFID

UHF	EPCglobal Class1 Gen2 V2; Gen2X 865MHz ~ 928MHz

UHF RFID Performance / Interface

RFID Chipset	Impinj E710
Reading Distance	up to 25 meters
Tag Read Rate	1,300+ tags/sec
RF Power output	5 ~ 33dBm (Adjustable)

Communication

Bluetooth®	Bluetooth® 5.2
WLAN	Wi-Fi 6E, 2.4GHz & 5GHz & 6Ghz IEEE 802.11a/b/g/n/ac/d/h/i/k/r/v/ac/ax (MIMO 2X2), Support DBS & Fast roaming Security WPA3, WPA2, WPA & WEP

Enclosure

Dimension	203 x 82.2 x 164.3 mm
Weight	750 g

Environmental

Operating temperature	-20°C to +50°C
Storage temperature	- 30°C to 70°C (without battery)
Charging Temperature	0°C to 45°C
Relative Humidity	5% ~ 95% (non-condensing)
Electrostatic Discharge	+/-15kV air discharge +/-8kV contact discharge
Drop Specification	1.8 m
Sealing	IP65

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07/26 Rev.B

HT730 Plus UHF
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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