HT730 Plus

4" Rugged Handheld Terminal

5G & Wi-Fi 6E | 32M Reading Distance | Cold Chain Solution (Heater Version) (Option) | eSIM available

Powered by Android 14 OS with GMS and AER Certified

The HT730 Plus is a rugged handheld terminal designed for one-handed operation. Running on Android 14 OS with GMS certification and Android Enterprise Recommended (AER), it ensures seamless compatibility with Google services and enterprise-grade applications. Powered by the Qualcomm® Snapdragon™ 4490 Octa-core processor, it delivers fast, reliable performance for demanding tasks, making it ideal for warehousing, logistics, and field service operations.

Seamless Connectivity with eSIM Technology

The HT730 Plus features eSIM technology, offering secure, convenient connectivity without physical SIM cards. Embedded within the device, the eSIM prevents loss or damage and enhances security. Network switching is seamless using a QR code or activation code via Wi-Fi, ensuring reliable connectivity for the dynamic demands of logistics, warehousing, and field operations.

Superior Performance with Extended Scanning Range

Specially designed for demanding workflows, the HT730 Plus features a powerful 32M scanning range, far surpassing standard devices. Supporting a wide range of barcode symbologies, including 1D, 2D, Dot Code, and OCR, it provides unmatched versatility for data collection tasks.

Designed for Harsh Conditions

Designed to thrive in tough conditions, the HT730 Plus boasts a durable construction with drop resistance up to 1.8 meters (or 2.4 meters with bumper) and IP65/IP67-rated protection against water and dust. Ideal for outdoor logistics, manufacturing, and rugged fieldwork, it ensures reliable performance in challenging environments.

Seamless Cold Chain Management Down to -30 C

Available as an optional feature, the HT730 Plus Cold Chain Solution is engineered for temperature-sensitive environments, supporting reliable performance in extreme cold conditions as low as -30°C. Its integrated heater module prevents condensation, ensuring consistent operation in freezing environments like cold storage warehouses, food distribution centers, and pharmaceutical logistics. This optional solution ensures the HT730 Plus maintains high efficiency and reliability where other devices might fail.

Enhanced Green Laser for Precise Aiming

The HT730 Plus features an advanced green laser aiming system, offering superior visibility and accuracy for barcode scanning. This enhanced laser ensures precise targeting, even in challenging lighting conditions, making it ideal for fast-paced environments like warehouses and logistics centers. With improved aiming clarity, workers can complete scanning tasks more efficiently and with fewer errors.

Features

- Android 14 OS with GMS and AER certified
- eSIM support for flexible and convenient connectivity
- Superior performance with the scanning distance up to 32M away
- Support -30°C cold resistance with the cold chain solution (option)
- Feature clear green laser aiming for precise barcode scanning
- Feature Bluetooth® 5.2, 5G & Wi-Fi 6E connectivity
- 1.8M drop-resistant housing (2.4M with bumper)
- IP65/IP67-rated protection against water and dust
- Durable keypad options with 38, 29, or 47 keys to meet versatile needs
- Supports 30-degree scanning tilt-down for ergonomic operation

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HT730 Plus
Specifications

Operation System

OS	Android 14 (upgrade to Android 16) GMS & AER
CPU	Qualcomm Snapdragon™ 4490 Processor, 64bits, Octa Cores up to 2.4GHz
Memory	6GB RAM + 128GB UFS Flash
Languages support	Multi-languages

Display

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

Keypad

Numeric (29 key)/ Function Numeric (38 key) with backlight / 47 Keys
Left/Right Trigger Key, three touch key on touch panel(back/home/recent)

Camera

Rear camera: 16 MP with auto-focus and LED flash, support ARcore

Symbologies

All major 1D and 2D codes

Indicator

LED, Vibrator

Enclosure

Dimensions	195 mm x 72 mm x 34 mm
Weight	395g (with battery)

RFID

HF	Frequency 13.56Mhz ISO14443A/B, ISO15693 standard, NFC, MIFARE, Felica

Power Source

Main battery	Main battery 3.6V 6700mAh
Hot Swap Battery	Keeps applications active up to 1 minute

Communication

Bluetooth®	Bluetooth® 5.2
WLAN	WLAN 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
WWAN	5G NR Sub 6GHz: n1/n2/n3/n5/n7/n8/n12/n20/n28/n34/n38/ n40/n41/n48/n66/n77/n78/n79 4G LTE (FDD): B1/B2/B3/B4/B5/B7/B8/B12/ B13/B14/B17/B19/B20/B28/B34/B39/B48/B66 LTE (TDD): B38/B39/B40/B41 3G: B1/B2/B4/B5/B8 2G: 850/900/1800/1900 MHz *Support Dual SIM Slot (Micro SIMx1 + eSIMx1) *Voice Quality Measurement: refer to Perceptual Evaluation of Speech Quality (PESQ)
GPS	GPS, GLONASS, Gallileo, BeiDou (L1+L5)
Sensors	Gyroscope, G-sensor, E-compass, Light & Proximity Sensor, 3-axis accelerometer

I/O Interfaces

USB	USB Type C Connector for PC POGP PIN OTG connector for Cradle
SIM Slot	Dual SIM (Micro SIMx1 + eSIMx1)
Expansion Slot	Micro SD/TF x 1 (Support SD, SDHC and SDXC), up to 256GB
Audio	Speaker: 2W output, One speaker with Smart PA (105 dB at 10cm) MIC: Dual-Microphone, support noise cancellation

Durability

Drop Specification	1.8 m / 2.4 m(with Bumper)
Sealing	IP65 / IP67

Environmental

Operating Temperature	-20°C to +50°C -30°C to +50°C (Optional for Cold Storage)
Storage Temperature	- 30°C to +70°C (without battery)
Charging Temperature	0°C to 45°C
Relative Humidity	5% ~ 95% (non-condensing)

Software

Unitech MoboLink DMS and utilities

Regulatory Approvals

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

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HT730 Plus
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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