



HT682 Android

4" Rugged Handheld Terminal



20 m reading distance | 2X2 MU-MIMO WLAN | 6700mAh hot swap battery | IP67 protect & 2.4 m Drop

Ergonomic One-Hand Operation with Large Keypad

Featuring a 4-inch display and 400nits brightness, the HT682 Android provides users to check feedback of the scanned information and easy viewing in outdoor environment. It comes with a large-size 38-key keypad as well as dual scanning buttons for instinctive data entry and barcode capturing that enables the users to carry out inventory checks and maintain accuracy easily. Moreover, equipped with special silicon materials and backlight design, it provides the reliability to 2.5 million lifetime clicks for long term abrasion protection.

Superior Imaging Technology

Ideal for tasks that require heavy scanning, the HT682A is built-in a powerful megapixel 2D scanning engine with a wide variety of 30 degree scanning tilt down design. The device supports full barcode symbologies including 1D, 2D, Dot Code and OCR as well as boosts your scanning performance at a speed of 60fps. It also delivers motion tolerance of up to 5m/s, the HT682A increases the operational effectiveness even while moving.

Boost Wireless Communication Performance (Only in 4G Model)

The HT682A supports 2x2 MU-MIMO antennas that boost the wireless performance. Built in 4G dual-SIM slots, it provides double signal coverage and real-time communications even in different countries. Furthermore, it has a 13MP camera that gives an easy way to proof of delivery or shipment issues.

No Downtime with True Hot-Swap Battery

Featuring how-swap technology, the HT682A allows batteries to be swapped without interrupting within 1 minute. With a long-lasting 6700 removable battery, the HT682A allows continuous use for 10-12 hours operation and it is easily replaced while running out of power seamlessly.

Ultra-Durable & Flexibility Accessories

Design for the harsh environments, HT682A features ultra-durable design to withstand 1.8 m / 2.4 m (with bumper) drop to concrete and IP65 / IP67 environmental seal against water and dust. Moreover, the HT682A offers various options including standard, 2D long-rang gun grips that enhance the ease of uses and increases staff comfort for inventory tracking and taking solutions.

Features

- Android 10 OS with GMS certified
- Superior 2D scanning performance: Support 30-degree scanning tilt down
- Durable keypad: 38-key / 29-key with 2.5 million lifetime clicks and backlight design
- Ergonomic one-handed operation
- Support Bluetooth® 5.1
- Support IEEE 802.11a/b/g/n, 802.11ax-ready, 802.11ac Wave 2 with 2X2 MU-MIMO WLAN Standard
- 6700mAh battery for 10-12 hours operation
- True Hot-swap battery design without downtime
- 1.8 m drop-resistant housing (2.4 m with bumper)
- IP65/IP67 protection against water and dust
- Support MDM Software Solutions and utilities such as MobaLink, StageGo
- Optional Long Range 2D Engine



38 Kerys / 29 Keys



android

Operation System

OS	Android 10
GMS certified	YES
CPU	Octa-core 2.3 GHz, Qualcomm 720G (SM7125)
Memory	4GB RAM / 64GB 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 and support wet resistance

Keypad

Numeric (29 keys)/ Function Numeric (38 keys) with backlight

Camera

Rear 13 MP Autofocus with flash

Indicator

LED, Speaker, Vibrator

Symbologies

1D	UPC/EAN/JAN, GS1 DataBar, Code 39, Code 128, Code 32, Code 93, Codabar/NW7, Interleaved 2 of 5, Matrix 2 of 5, MSI, Trioptic
2D	PDF417, MicroPDF417, GS1 Composite, Code11, Aztec Code, Data Matrix, QR Code, Micro QR Code, MaxiCode, Han Xin Code, DOT Code Postal : Intelligent Mail Barcode, Postal-4i, Australian Post, Japanese Post, Netherlands (KIX) Post, Postnet, Planet Code OCR : OCR-A, OCR-B, E13B (MICR)
Optional	2D Long Range

Enclosure

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

Power Source

Main battery	Main battery 3.7V 6700mAh
Hot Swap Battery	Keeps applications active up to 1 minute

Regulatory Approvals

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



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RFID

HF	Support HF/NFC Frequency 13.56Mhz Support: ISO14443A/B, ISO15693 standard
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Communication

Bluetooth®	Bluetooth® 5.1
WLAN	802.11a/b/g/n, 802.11ax-ready, 802.11ac Wave 2(Dual Antenna, MU-MIMO 2X2 support)
WWAN	LTE Advanced Support Up to CAT4 LTE downlink 300Mbps/uplink 100Mbps
For 4G Model Only	LTE (FDD) – Bands 1, 2, 3, 4, 5, 7, 8, 17, 20, 28 LTE (TDD) – Bands 38, 39, 40, 41 UMTS/HSPA+ (3G) – Bands 1, 2, 5, 8 GSM/GPRS/EDGE Quad-Band (850/900/1800/1900 MHz)
GPS	GPS, GLONASS, Galileo, BeiDou
Sensors	Gyroscope, G-sensor, E-compass, Light & Proximity Sensor

I/O Interfaces

USB	USB 3.1 (type-C) support USB OTG Support Display Port Mode Ethernet/USB-Host via cradle Yes, over USB Type-C Custom IO connector (include USB Host)
OTG	Nano SIM Slot x 2
POGO PIN	Micro SD/TF x 1(Support SD, SDHC and SDXC)
SIM Slot	2W output ,105 dB at 10cm, Dual-Microphone, support noise cancellation
Expansion Slot	
Audio	

Durability

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

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)

Software

SOTI, AirWatch, 42Gears, and MoboLink

Accessories

USB Type C cable	4-Slot battery charger
Single Slot Charging cradle	Hand strap
Single Slot Ethernet cradle with USB host	Glass Screen Protector
4-Slot Charging cradle	
4-Slot Ethernet cradle	

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Development Tools



unitech SDK

Device Management

SOTI®

42GEARS

vmware®



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 battery 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.



App Update Center

APKs install with App Update Center can remain intact even after factory reset.

Productivity and Utilities



File Manager

Manage files and folders on all the internal and external storage options



UNote

A simple text viewer and editor for use in your work flows.



Startup

Auto-run apps when device boots up.



KeyRemap

Reprogram physical buttons to act as another key or to launch an app.



Ivanti Velocity

Android Terminal Emulator from Ivanti giving your workers the right tools to be more productive.



NTP Server Settings

Customize the NTP server setting to keep your device date and time synchronized.



WLAN Advanced

Configure advanced WiFi parameters.