TB85 Plus

8” Android 10 Rugged Tablet

IP67 Protection + 4ft Drop | 22.2oz with 8,200mAh battery | Various Accessories

Unitech has announced its next-generation Android 10 rugged tablet with an attractive, slim case for easy portability. It has an 8-inch display offering 450 nits brightness for easy viewing in outdoor environments, the ability to work while wearing gloves, and water resistance. Built for toughness and versatility, the TB85 Plus streamlines your workflow in a wide range of challenging industries like field service, warehousing, manufacturing, logistics, and transportation.

Powerful Android 10 OS + GMS

The TB85 Plus gains intuitive usability from user-friendly Android operating system and Google Mobile Services (GMS). Experience the newest improvements in the Android 10 operating system as well as the reliable backing of GMS. With all the features of a consumer grade smartphone like Google Maps, Gmail, Photos, Drive, and Play Store, your abilities on the TB85 Plus smart device are limitless.

Various Accessories for Extensions

The TB85 Plus tablet is an extremely scalable product: the 14-pin POGO connector allows users to add value to the device by adding various useful accessories. By inserting the 2D engine module to the TB85 Plus, users can capture 1D/2D barcodes for easy inventory and asset tracking. When combined with a vehicle cradle, the tablet can fit seamlessly into forklifts or heavy-duty vehicles for warehouse or field service solutions. Our accessories let you add the flexibility to optimize your business and workflow, whenever the need arises.

Stay connected

The combined strength of a rugged exterior with a superior interior is complimented by excellent connectivity. Equipped with NFC compatibility, Bluetooth 4.2, wireless 802.11 a/b/g/n/ac connection, and 4G LTE, you are always connected to wireless communication. Users can enjoy faster downloads and uploads, using their favorite reliable network.

Durable Design

Engineered to perform in any environment, the TB85 Plus is rugged enough to be dropped up to 4 feet onto concrete. Moreover, it features IP67 certification, completely sealed in a durable housing protecting it against dust, moisture, and water jets. Not only that, but this device meets sturdy MIL-STD-810G military standards, giving it shock resistance and anti-vibration. The TB85 Plus also has a removable battery to keep you operating longer, bringing a new level of reliability for business applications and field service.

Features

- Android 10.0 GMS with Octa-Core CPU.
- Google Enterprise Device certified
- 8” Display with Gorilla Glass 3 (450 nits)
- Lightweight but durable: weighs 22.2g
- Flexible design: 14-pin POGO extension for modules
- 8200 mAh changeable Li-ION battery
- 4G/LTE, WLAN 802.11 a/b/g/n/ac and NFC
- Ultra-Rugged Construction: IP67 rated, 4 feet drop and MIL-STD-810G certified

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TB85 PLUS
Specifications

Operation System

OS	Android 10.0
GMS certified	GMS certified
CPU	2.2 Ghz, Qualcomm MSM8953 PRO Octa-Core
Memory	4GB RAM / 64GB Flash
Languages support	English, Thai, Simplified Chinese, Traditional Chinese, Japanese, Spanish, German, French, Italian, Portuguese, Korean and multiple languages
Others	Input Chinese/ English

Display

8" Color (1280 x 800) LCD display 450nits
Gorilla Glass III with capacitive touch pannel.

Keypad

8 Function Keys: Power key, volume +/-, return key, home key, menu key and 2 customizable keys.

Indicator

LEDs, Vibrator

Camera

5MP front camera
13MP rear camera, AF with LED flash

Symbologies

2D Imager	2D / 1D Barcode scan module with triggers
HF	Support HF/NFC Frequency 13.56Mhz Support: ISO14443A/B, ISO15693 standard

Regulatory Approvals

GMS, CE, RED, FCC, BSMI, NCC, RoHS,

Communication

WLAN	802.11 a/b/g/n/ac
WWAN	GSM: 850 / 900 / 1800 / 1900 TD-SCDMA: B34, 39 WCDMA: B1, 2, 5, 8 CDMA/EVDO: BC0 LTE-TDD: B38, 39, 40, 41 LTE-FDD: B1, 2, 3, 4, 5, 7, 8, 12 ,13, 17, 20, 25, 28
GPS	GNSS-GLONASS (Global Navigation Satellite System)
Sensors	Ambient light sensor, Hall sensor support for accessory, Acceleration sensor, Atmosphere pressure sensor

I/O Interfaces

USB	USB TYPE-C
POGO PIN	POGO pin
SIM Slot	Nano SIM x 1
Expansion Slot	MicroSD x 1
Audio	Microphone, speaker and 3.5mm audio jack

Enclosure

Dimensions	9.5 x 6 x 0.8 in (241.9 x 152 x 17.76 mm)
Weight	22oz (630g)

Environment

Operating temperature	-4° to 140° F (-20° to 60 °C)
Storage temperature	-40° to 158° F (-40°C to 70 °C)
Relative Humidity	5% ~ 95% (Non-Condensing)
Drop Specification	4 Feet
Sealing	IP67
Vibration/ Tumble test	MIL-STD-810G

Power Source

Main Battery	8200 mAh Changeable Li-ION battery

Software

Airwatch, SOTI

Accessories

- Glass Screen Protector
- Power Adapter
- Rotatable Hand-Strap
- Shoulder Strap Case
- X-Hand Strap
- 2D Engine Module
- 8200mAH Battery Pack
- Type C Cable
- Vehicle Cradle
- 2D gun grip

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TB85 Plus
Software Solution

Development Tools

Unitech SDK

Device Management

SOTI

airwatch by 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.

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

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.

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 run.

Productivity and Utilities

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

Startup
Auto-run apps when device boots up.

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