

TB85+ ANDROID 10

Rugged and scalable 8" tablet



SOTI®
airwatch®
by vmware®



The Unitech 8" **TB85+** offers the **perfect balance** between **usability, scalability, performance & pricing!**

The **TB85+** features an 8" (1280 x 800) sunlight readable LCD touch screen (450nits of brightness) with the ability to work while wearing gloves and is wet resistant. Experience the newest improvements of the **TB85+** from the latest Android 10 (with GMS) operating system. An integrated Qualcomm® MSM8953 PRO 2.2GHz Octa-core processor with 4GB RAM and 64GB Flash provides the necessary performance to run multimedia applications smoothly and without interference. Featuring a powerful battery of 8200mAh nothing stands in the way of a successful full shift working day. Combined with a swappable design, the battery can be exchanged. Improve productivity, reduce downtime and increase efficiency.

Designed for harsh environments, **TB85+** features a rugged and durable design. It meets sturdy MIL-STD-810G military standard, boasting shock resistance and anti-vibration. This device is sealed against environmental water and dust by IP67 rating, and it can withstand a 1.2m drop to concrete. The combined strength of a rugged exterior with a superior interior is complemented by excellent connectivity. Equipped with NFC compatibility, WiFi 802.11 a/b/g/n/ac connection and 4G/LTE you are always connected and available.

The **TB85+** tablet is an extremely scalable product as a 14-pin POGO and 7-pin POGO connector allow you to add devices that optimize your business and workflow. Connect for high volume scanning a 2D reader module or 2D gun grip for easy inventory, picking and asset tracking. Or connect the **TB85+** to a desktop or vehicle cradle and extend its functionality even further. Interchangeability makes this a truly versatile device.



Pogo pins - Backside

The 14-pin POGO connector allows users to extend the TB85+ with optional accessories. Increase the usability of this enterprise tablet with the optional 2D reader module (SKU 4080-085001G) and the 2D gun-grip (SKU 5500-900084G).



Pogo pins - Side

The 7-pin POGO on the side provide additional charging including 5-pin USB connectivity features. It allows users to extend their workflow by connecting the **TB85+** tablet to optional (new) desktop cradle* and/or vehicle cradle.

(*Ethernet function on the current TB85 desktop cradle (SKU 5000-900051G) is not compatible with the new **TB85+** Tablet - but charge only. A new **TB85+** desktop cradle will be released.)



Camera

The **TB85+** comes with two cameras. The 5-megapixel front-facing camera enables video calling (via WiFi or 4G/LTE). The 13-megapixel rear camera provides high-resolution images, a great solution for documenting proof-of-delivery.



Full touch and function buttons

Usability of the tablet comes with the 8" (1280 x 800) Gorilla 3 Glass touch screen and 8 physical keys. You can designate 2 keys for different functions to improve productivity.

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EN version 1.0 TB85+ Specifications

Operation System

OS	Android 10
GMS certified	YES
CPU	Octa-Core 2.2 Ghz, Qualcomm MSM8953 PRO
Memory	64GB eMMC + 4GB DDR3
Language support	Multi-language

Display

8 inch color (1280 x 800) sunlight readable LCD display 450nits.
Touch panel GFF, Gorilla Glass III with capacitive touch panel.
Supports glove operation*.
(*Depending on actual material & thickness.)

Enclosure

Dimensions	241.9 x 152 x 17.76 mm
Weight	630g (including battery)

Camera/Photos/Video

Front:	5MP
Rear:	13M with Auto Focus
Flash lights:	Double LED

Keypad

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

Audio

Microphone, speaker and audio jack.	
Audio PA:	High sound quality audio PA
Audio Jack	3.5mm earphone jack

Indicator

LEDs, Vibrator

Symbologies

RFID (NFC)	Support HF/NFC Frequency 13.56Mhz 0~3 Support: ISO14443A/B, ISO15693 standard
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1D/2D codes (by optional accessories)



Gun grip

Gun grip with 2D imager
(SKU:5500-900084G)



Reader module

2D scan module with trigger buttons on both sides
(SKU: 4080-085001G)

Power Source

Main battery	Swappable 8200mAh changeable Li-ION battery
RTC-battery	Yes
Charging time	Fully charged in less than 4 hours

Battery Approvals

UN 38.3, MSDS, IEC 62133, UL

Regulatory Approvals

GMS, CE, RED, FCC, BSMI, NCC, RoHS, MIL-STD-810G

Software

Airwatch, SOTI

Communication

SD	1x Micro SD
SIM	1x Nano SIM
Sensors	Ambient light sensor with 1E Hall sensor (support for accessory), Acceleration sensor, Atmosphere pressure sensor USB type C
USB	Yes (Pogo pin on back and side)
POGO PIN	Bluetooth® 4.2 + BR/EDR + BLE
Bluetooth®	Compass support, Embedded antenna, Supports external antenna (U-Blox M8N module with extend MMCX connector for GNSS antenna)
GPS/Beidou	802.11 a/b/g/n/ac (Qualcomm WCN3680B) 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 UL Intra-C: Band 39, 40, 41 DL Intra-C: Band 3, 39, 40, 41 DL Inter: Band 1+3, Band 39+41
WLAN	
WWAN	
CA	

User Environment

Operating Temp.	-20 ~ 60°C
Storage Temp.	-40 ~ 70°C
Humidity	5% ~ 95% (non-condensing)
ESD	Contact discharge 6KV, air discharge 8KV
Drop Specification	1.2m to concrete
Sealing	IP67

Software

Airwatch, SOTI



Inside the Box



- TB85+ device
- Battery
- USB-C charging cable
- USB power adapter with EU, UK, US and AU plugs

Accessories

- Type C USB cable
- USB power adapter - Supports Quick Charge 3.0
- Glass Screen Protector
- 2D Engine Module
- 2D gun grip
- Stylus
- Coiled strap / bungee cord (for stylus)
- 8200mAH battery pack
- Battery cover
- 2 Bay Battery Charger
- Rotatable X- Hand-Strap V1
- Rotatable X- Hand-Strap V2 (compatible with vehicle cradle)
- Vehicle Cradle (SKU: 5000-085001G)
- Screw-mount kit (for vehicle cradle)
- Suction-mount kit (for vehicle cradle)
- Heavy duty suction-mount kit (for vehicle cradle)
- TB85 general desktop cradle (supports only TB85+ charging)
- TB85+ desktop cradle (new cradle to be released)

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