



TB85 Rugged Tablet

Scalable and rugged mobility

Form doesn't have to be sacrificed for function when it comes to a rugged enterprise tablet. The elegantly designed Unitech TB85 offers everything you need to power your business. With a host of accompaniments like Android 8.0 OS, POGO pin charging, and 8-inch Gorilla Glass 3 display, the TB85 changes the data collection rules.

Scalability at its finest

Durable construction combined with a hearty interior and multiple extras make up the TB85. A 14-pin POGO connection and an optional scanning module enhances the user experience, layer in additional features and add-ons to create a device that suits your business.

Strong on the inside

Featuring the latest Android 8.0, GMS certified, and a 2.2 Ghz Octa-Core processor, no task is too small for the TB85. Fully equipped with 32GB of internal storage and 4 GB of DDR3 memory, the TB85 is a hard worker.

Stay connected

The combined strength of a rugged exterior with a superior interior is complemented by excellent connectivity. Outfitted with NFC compatibility (frequency 13.56 Mhz at 0 ~ 3 cm), WiFi 802.11 a/b/g/n/ac connection, and 4G/LTE, you're always connected. Bluetooth 4.1 gives the TB85 flexibility to communicate with other Unitech devices such as the RP901 RFID reader and MS652 ring scanner.

A wet resistant 8-inch LCD touch screen works in hot and cold climates and while wearing gloves making it an all-weather device. The 8200 mAh chargeable battery is extra durable and is easily changed once the battery runs out. Weighing only 1.4 pounds, the TB85 is a powerful and perfectly portable workhorse.

Main Features:

- Android 8.0 GMS with Octa-Core CPU
- POGO Pin extension with QC3.0 (quick-charging)
- 14-pin POGO extension for modules
- 8200 mAh changeable Li-ION battery
- 32 GB eMMC + 4 GB DDR3 memory
- 4G/LTE, WLAN 80211 a/b/g/n/ac, BT 4.1 and NFC
- 8" display with Gorilla Glass 3 and GFF touch panel
- IP67 rated with 4 foot drops to hard surfaces

System Features

CPU	Qualcomm MSM8953 PRO Octa-Core 2.2GHz Processor
Memory	32GB eMMC+4GB DDR3
OS	Android 8.0 GMS certified

Display

8-inch display, 1280 x 800 sunlight readable touch panel GFF, Gorilla Glass 3, supports gloved operation (Depending on actual material & thickness)

Keypad

8 function keys	Power key, volume up, volume down, return key, home key, menu key, 2* custom keys
Keypad light	Support

Camera

Rear	13 MP with auto focus
Front	5 MP
Flash lights	Double lights

Audio

Audio PA	High sound quality audio PA
Audio Jack	3.5 mm earphone jack

Power Source

RTC-battery	
Charging time	Fully charged less than 4 hours

Interface for Module



Enclosure

Dimension	9.5 x 5.98 x 0.7 in (241.92 x 151.99 x 17.76 mm)
Weight	1.4 lbs (630 g) (including battery)
Battery	8200 mAh rechargeable Li-ion battery POGO Pin extention, quick charge QC3.0

Environmental

Operating temperature	-4°F to 140°F (-20°C to 60 °C)
Storage temperature	-40°F to 158°F (-40°C to 70 °C)
Relative humidity	5% ~ 95% (non-condensing)
EDS	Contact discharge 6KV, Air discharge 8KV
Drop Test	4 feet (1.2 m) on hard surfaces
Environmental Seal	IP67

Communication

SD	1x Micro SD
SIM	1x Nano SIM
Sensors	Ambient light sensor with 1R Hall sensor support for accessory Acceleration sensor Atmosphere pressure sensor
GPS/Beidou	Compass support, embedded antenna, supports external antenna as well
RFID (NFC)	Frequency 13.56MHz 0~3cm
WLAN	WiFi/BT and NFC
WiFi	802.11 a/b/g/n/ac
Bluetooth	Bluetooth 4.1
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
CA	
UL Intra-C	Band 39, 40, 41
DL Intra-C	Band 3, 39, 40, 41
DL Inter	Band 1+3, Band 39+41

Battery Approvals

UN 38.3, MSDS, IEC 62133, UL

Safety and Warranty

One year warranty
CE/RED
MIL-STD-810G
RoHS
GMS

Software

Airwatch, SOTI, MoboLink, 12 Solutions



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www.unitechbarcode.com

Unitech America, Inc. | 6182 Katella Avenue | Cypress, CA 90630
714-891-6400 ph | 800-861-8648 toll | 714-891-5050 fx