



## 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, Corilla 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
<b>WWAN</b>	
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
<b>CA</b>	
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



Specifications subject to change without notice.

Copyright 2018 Unitech Electronics Co., Ltd.  
All rights reserved. Unitech is a registered trademark of Unitech Electronics Co., Ltd.

All product and company names are trademarks, service marks, or registered trademarks of their respective owners.

[www.unitechbarcode.com](http://www.unitechbarcode.com)

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