TB85

Scalable and rugged mobility

unitech has announced it's the most flexible Android rugged tablet-TB85. The TB85 features an 8'' LCD touch screen with the ability to work while wearing gloves and is wet resistant. With an attractive, slim case for easy portability, and fortified with a tough outer casing and environmental seal, this workhorse doesn't cut corners on durability or form factor.

Powerful Android 8.0 OS + GMS

Intuitive usability combines with the most up-to-date Android experience and Google Mobile Services (GMS). Experience the newest improvements and bug fixes from the Android 8.0 operating system as well as the reliable backing of GMS and Google Enterprise Device certified. With all the features of Google Maps, Gmail, Photos, Drive and Play Store, your abilities on the TB85 smart device are practically limitless.

14-Pin Modular Extensions

The TB85 tablet is an extremely scalable product as the 14-pin POGO connector allows you to add devices that optimize your business and workflow. Insert a magnetic stripe reader for efficient check-out with credit and debit cards in retail or swap out the 2D scanner for a 1D scanner for easy inventory and asset tracking. The TB85's interchangeability makes this a truly versatile device.

Stay connected

The combined strength of a rugged exterior with a superior interior is complimented 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.

Durable Design

Engineered to perform in any environment, TB85 is rugged enough to drop from the 1.2 meters onto concrete. Moreover, it has IP67 certification, completely sealing durable housing against dust and moisture to withstand water jets. It not only that, but this device meets sturdy MIL-STD-810G military standard, boasting shock resistance, anti-vibration. TB85 also has a removable battery to keep tablet going longer, it brings a new level of industrial tablet with high reliability for business applications and field service.

Features

- 8" display with Gorilla Glass 3 and GFF touch panel
- Android 8.0 OS with GMS, Google Enterprise Device certified
- Flexible design: 14-pin POGO extension for modules
- POGO Pin extension with QC3.0 (Quick-charging)
- Swappable Battery: 8200mAh Li-Polymer battery pack
- 4G/LTE, WLAN 80211 a/b/g/n/ac, and NFC
- Ultra-Rugged Construction: IP67 rated, 1.2M drop and MIL-STD-810G certified

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EN Rev.E **TB85**
Specifications

Vehicle cradle
PN# 5000-085001G
no compatible with X-Strap

Charging Cradle
PN#5000-900051G
compatible with X-Strap

Rotatable hand-strap
PN# AH3220UA

2D Engine Module
PN# 4080-085001G

► **Basic characteristics**
Dimensions	241.92 x 151.99 x 17.76 mm
Weight	630 g (including battery)
Battery	8200 mAh rechargeble Li-ion battery
	POGO Pin extention, quick charge QC3.0

► **Operation System**
CPU	Qualcomm MSM8953 PRO
	Octa core 2.2GHz Processor
Memory	32GB (optional 64GB, MOQ applied)
	eMMC + 4GB DDR3
OS	Android 8.0 GMS certified
	Google Enterprise Device certified

► **Display**
8 inch display, 1280 x 800 Sunlight Readable
Touch panel GFF, Corilla Glass 3, Support glove 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

► **Camera**
Rear	13 mp with auto focus
Font	5 mp
Flash lights	Double lights

► **Communication**
SD	1x Micro SD
SIM	1x Nano SIM
Sensors	Ambinent 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	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
CA	UL Intra-C Band 39, 40, 41
	DL Intra-C Band 3, 39, 40, 41
	DL Inter Band 1+3, Band 39+41
Bluetooth	Bluetooth® 4.2 + BR/EDR + BLE

Gun grip with 2D imager
PN# 5500-900084G
IP52, 1.2M drop resistance

TB85 9H glass protection
PN# 5400-900035G
Retail package - 10x foil pack

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

► **Power Source**
RTC-battery
Charging time   Fully chareged less than 4 hours

► **Battery Approvals**
UN 38.3, MSDS, IEC 62133, UL

► **Environmental**
Operating temperature	-20˚C to 60 ˚C
Storage temperature	-40˚C to 70 ˚C
Relative Humidity	5% ~ 95% (non-condensing)
EDS	contact discharge 6KV,
	air discharge 8KV
Drop Specification	1.2 m to marble
Ingress protection	IP67

► **Software**
Airwatch, SOTI

► **Warranty**
One year warranty

► **Regulatory Approvals**
GMS, CE, RED, FCC, BSMI, NCC, RoHS, MIL-STD-810G

► **Accessories**
- PSU, USB-C cable, Sylus, Coiled strap, Screen protection
  (retail pacK), Desktop cradle docking, Battery pack, Battery
  cover, Rotatable hand-strap, Vehicle cradle, mount-kit for
  vehicle cradle, Gun grip with 2D imager (N6703).
- 2D scan module with trigger buttons on both sides

Scan engine	SE2707
Light Source	Red +/- 625nm LED
Weight	<50g
IP Rating	IP67 (connected with main unit)
Mechanical Shock	1.0m (connected with main unit)
Operating Temp	-10°C to 50°C
Storage Temp.	-20°C to 60°C
DOF	EAN-13: 13mil(70~340mm)
	PDF 417: 6.67mil(45~105mm)
	Code 39: 5mil(40~155mm)
	Data Matrix: 10mil(45~105mm)
	QR Code: 15mil(35~155mm)
1D:	CODE128, UCC/EAN-123, EAN-8, EAN-13,
	ISBN/ISSN, UPC-E, UPC-A, Interleaved 2
	of 5, ITF-6, ITF-4, Matrix 2 of 5, Industrial 25,
	Standard 25, code39, Codabar, Code 93,
	Code 11, Plessey, MSI-Plessey, GS1-DataBar
	(RSS-14,RSS-Limited, RSS-Expand)
2D:	QR code(QR1/2, Micro), DataMatrix
	(ECC200,ECC000,050,080,100,140)

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Neon 23, 4751 XA, Oud Gastel
0165-349480 - info@graphicall.com - www.graphicall.com