

# Unitech TB85 Technical Specification

## Physical Characteristics

Dimensions	241.92 x 152 x 17.76 mm
Weight	630 grams (including battery)
Display	8" colour LCD display 1280 x 800 resolution Touch Panel with support for glove operation Gorilla Glass 3
Keypad	8 Function Keys: Power key, volume +/-, return key, home key, menu key and 2 customisable keys. Keypad light supported
Power	Rechargeable and changeable 8200 mAh Li-ION battery RTC Battery: Real Time Clock Battery Charging Time: Less than 4 hours Battery approvals: UN 38.3, MSDS, IEC 62133, UL
Voice and Audio	High Sound Quality Audio PA 3.5mm headphone jack
Expansion Slot	1x Micro SD 1x Nano SIM
Sensors	Ambient light sensor with IR Hall sensor support for accessory Acceleration sensor Atmosphere pressure sensor

## Performance Characteristics

CPU	Qualcomm MSM8953 PRO Octa-core 2.2 Ghz
Memory	32GB eMMC 4GB DDR3
OS	Android 8.0 GMS Certified Google Enterprise Device Certified
Camera	Rear: 13 MP with AF Front: 5 MP

## Communication

RFID (NFC)	Frequency 13.56 Mhz (0 ~ 3 cm)
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

## User Environment

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	1.2m to marble
Ingress Protection	IP67

## Software and Safety

Software	Airwatch, SOTI, MoboLink, 12 Solutions
Safety and Warranty	One year warranty CE/RED MIL-STD-810G RoHS GMS

## 2D scan module (with trigger buttons)

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 Temperature	-10°C to 50°C
Storage Temperature	-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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