



# TB120 Android tablet with integrated keypad

## 7" Rugged Tablet Computer



The Unitech TB120 7" Android tablet offers a great experience with a list of unique features for ultimate flexibility and durability.

Equipped with a built-in physical keypad (with programmable hot keys) makes the TB120 not only user-friendly but also offers for enterprise users a great way to accelerate their workflow indoor and outdoor by supporting a convenient way of data entry. Its durable design makes this rugged tablet the ideal solution for field, logistic and retail applications.

### Elegant but durable design

The Unitech TB120 is built to be functional but it also offers an elegant and durable design. Unitech has been able to drive the TB120 to just 18.8mm thick and 735g heavy / thinner and lighter than any industrial tablet.

The TB120 is immune to workplace accidents such as tumbles and liquid spills. The rugged tablet is sealed against warehouse dust and resists repeated 1.2 meter falls to concrete. This device meets sturdy MIL-STD-810G military standard, boasting shock resistance anti-vibration and offers a wide operating temperature range of -10°C to 50°C.

The TB120 also has removable/swappable battery to keep the tablet going longer. It brings a new level of industrial tablet with high reliability for professional usage.

### Versatile functionality

Powered by a 1.5 GHz Dual Core Processor and running on the Android 4.3 operation system, the TB120 provides superior fast performance and smooth operation. With an integrated 1D or 2D scanner, HF-RFID incl. NFC reader/writer and 5 MP auto-focus camera including flash, this tablet is designed to empower your mobile workforce. In addition, the TB120 offers high flexibility and connectivity in the field by supporting the latest Smart Bluetooth 4.0, 802.11 a/b/g/n WLAN and 3.75G WWAN (HSDPA+).

### Main features

- Convenient data entry design:  
Integrated numeric keypad and programmable hot keys
- Ultra-Rugged Construction:  
Gorilla Glass III, IP65 rated, 1.2m drop and MIL-STD-810G certified
- Swappable Battery:  
5200mAh Li-ion battery pack
- Extend your business needs:  
1D or 2D, HF-RFID incl. NFC reader/writer, 5 MP rear camera and 2 MP front camera
- Mobility inside and outside:  
Smart Bluetooth 4.0, 802.11 a/b/g/n, 3.75G, GPS



# V1.1 TB120

## Specifications

### System Features

CPU	TI OMAP 4470 1.5Ghz Dual Core Processor
Memory	1GB Mobile DDR RAM 8GB eMMC Flash
OS	Android 4.3
Languages support	English, Simp. Chinese, Traditional Chinese, Japanese, Spanish, German, French
Storage	Support MicroSD memory card up to 32GB
Other	eCompass Light & Proximity sensor G-sensor

### Display

Gorilla Glass III with capacitive 7 touch panel  
Color Transmissive 1280x800 dots LCD

### Keypad

37 physical keys.  
Numeric and programmable keys + 2 trigger keys (backside)

### Camera and Flash Light

2MP Front Camera  
5MP Rear Camera CMOS Sensor Camera with Auto focus, LED flash light

### Indicator

1 LED indicate charge/Message  
Vibrator

### Optional Modules

#### 1D CCD

UPC-A/E, EAN-8/13, Codabar, Code 39, Code 39 full ASCII, Code 93, Code 32, Interleaved & Std. 2 of 5, EAN 128, Code 11, Delta, MSI/Plessey, Code 128, Toshiba, RSS expended, RSS Limited, RSS14.

#### 2D Imager

1D: Reads all major 1D barcodes  
2D: PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode, Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal Dutch Postal (KIX)

### RFID reader/writer

HF/NFC Frequency: 13.56MHzHF/NFC  
Support: ISO15693, ISO14443A, ISO14443B  
Support NFC

### Communication

USB USB 2.0 OTG  
WLAN IEEE 802.11 a/b/g/n  
Bluetooth Smart Bluetooth 4.0 with Bluetooth SIG certification  
WWAN GSM/GPRS/EDGE 850/900/1800/1900 MHzUMTS  
850/900/1700/1900/2100 MHz WCDMA modem,  
HSPA+, DL: 21Mbps/ UL: 5.76Mbps.

### GPS

GPS supports MS-assisted, MS-based and autonomous operation modes

### Unitech Europe

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### Power Source

Main Battery

Swappable Battery. 19.24 Wh 3.8V  
@5200mAh Li-ion battery pack  
**(Swappable battery)**



### Enclosure

Weight 735g (1D) / 724g (No engine) with battery  
Dimension 264.5x143.7x18.8 (mm)

### Environmental

Operating temperature -10°C to 50°C  
Storage temperature -20°C to 60°C  
Charging Temperature (0°C to 40°C)  
Relative Humidity 5% ~ 95% (non-condensing)  
Drop Specification 1.2 meter MIL-STD 810G, Method 516.6, Procedure IV  
IP65 IEC/EN 60529 Standard  
Sealing MIL-STD-810G, Method 514.6, Procedure I  
Vibration and Shock test MIL-STD-810G, Method 514.6, Procedure II, Category 5

### Mobile Device Management Software and Service

MoboLink®  
Device Management, Application Management, Event Triggers

### Accessories

Power adaptor 5V/6A  
3 Pins power cord EU  
3 Pins power cord UK  
USB Cable  
Handstrap  
Li-ion standard battery 3.8V 5200 mAh  
Single slot USB Client/Host cradle with battery charger

### Regulatory Approvals

CE, NCC, FCC, BSMI, VCCI, CCC, RoHS compliance



### Unitech's service program

UnitCare offers customers a high level of security by a reliable, high-quality and effective program for getting your devices serviced quickly. It also drives the hidden costs out of your installations. UnitCare goes beyond the standard warranty with a complete service offer for different need. **More information: [unitcare.unitech.eu](http://unitcare.unitech.eu).**

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