



TB120

7" Rugged Tablet Computer

The new TB120 offers a superlative experience with a great list of unique features for ultimate flexibility and durability. Built in a physical keypad with programmable hot keys, TB120 is not only friendly and intuitive, but also smart as it helps enterprise users to operate long time in the inside and outside. This device is durable enough to be persistently reviewed in extreme temperatures or super heat environment. Moreover, it is able to survive a fall and suitable for logistic and retail applications.

Slim industrial tablet with a numeric keypad

Lightweight and highly portable for the field, TB120 was built to be functional first and foremost, but it also offers an elegant design with durability. In addition to a 7 inch multi-touch Gorilla Glass display which protects the glass from drops on rough surfaces, the TB120 includes a stylish numeric and function keypad which is more convenient for users to input data in a short time.

Versatile functionality

Powered by a 1.5 Ghz Dual Core Processor, and running on Android 4.3 Jelly Bean operation system, TB120 provides superior fast performance and smooth operation as well as combining 2D barcode scanning, NFC/RFID and 5.0MP auto focus camera in one durable tablet. In addition, it supports 802.11a/b/g/n wireless networks and Bluetooth 4.0 that fulfills high flexibility for field services workers to get connected anywhere.

Elegant but durable

Unitech has been able to drive the TB120 to just 18.8mm thick and 735g heavy – thinner and lighter than any industrial tablet. Engineered to perform in any environment, TB120 is rugged enough to drop from the 1.2 meters onto concrete. Moreover, it has IP65 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 and together with a wide operating temperature range of -10°C to 50°C. TB120 also has 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

- Android 4.3
- Ultra-Rugged Construction: IP65 rated, 1.2M drop and MIL-STD-810G certified
- Lightweight and compact design: Only 735g with 1D engine and battery
- Large 7-inch color multi-touch sunlight-readable display
- Built in 1D / 2D scanner, keypad, and 5 Megapixel camera
- Latest Bluetooth v4.0, GPS, Wi-Fi and wireless LAN 802.11 a/b/g/n quad-mode radios
- Swappable Battery: 5200mAh Li-Polymer battery pack



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

Display

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

Keypad

37 physical keys. Numeric and functionable keys

Indicator

1 LED indicate charge/Message
Vibrator

Optional Modules

1D CCD Barcode scanner

1D Laser Barcode Engine	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 expanded, RSS Limited, RSS14.
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2D Imager

1D 2D	All major codes 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)
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Regulatory Approvals

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



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Communication

Camera and Flash Light	2M Pixels Front Camera 5M Pixels Rear Camera CMOS Sensor Camera with Auto focus, LED flash light
External storage	Support MicroSD memory card up to 32GB
USB	USB 2.0 OTG
WLAN	IEEE 802.11 a/b/g/n
Bluetooth	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
Other Sensors	eCompass Light & Proximity sensor G-sensor
RFID	Frequency: 13.56MHz Tag Support: ISO15693, ISO14443A , ISO14443B Support NFC

Power Source

Main Battery	Swappable Battery. 19.76 Wh 3.8V @5200mAh Li-ion battery pack
Backup Battery capacity	1 hour

Enclosure

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

Environmental

Operating temperature	14°F to 122°F (-10°C to 50°C)
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Charging Temperature	32°F to 104°F (0°C to 40°C)
Relative Humidity	5% ~ 95% (non-condensing)
Drop test to Concrete	1.2 meter MIL-STD 810G, Method 516.6, Procedure IV
Environmental Sealing	IP65 IEC/EN 60529 Standard
Vibration and Shock test	MIL-STD-810G, Method 514.6, Procedure I MIL-STD-810G, Method 514.6, Procedure II, Category 5

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