



TB128

Integrated keypad and featuring all advanced technologies

7" Rugged Android Tablet Computer

The new TB128 offers a superlative experience with a great list of unique features for ultimate flexibility and durability. This 7" industrial tablet PC adopts a 64-bits Quad Core 1.3 GHz CPU, Android 6.0 operation system and can configure barcode scanning and/or UHF RFID reader.

Going beyond the regular design

Equipped with a built-in physical keypad with programmable hot keys, hot-swappable battery, multiple scanning buttons and the latest advanced communication technologies, this tablet is not only user-friendly and intuitive, but also smart as it enables enterprise users to operate for long periods, inside and outside.

Rugged design

Falls, spills, vibrations, extreme temperatures - the TB128 is a true indoor/outdoor workhorse. This device meets sturdy MIL-STD-810G (Method 516.6, Procedure IV) military standard, boasting shock resistance anti-vibration and offers a wide operating temperature range of -10°C to 50°C. The scratch and shatter-resistant Gorilla Glass® III screen can handle falls of up to 1.2 meter. This TB128 is IP65 rated - completely sealed with a durable housing against dust and moisture to withstand water jets. This ruggedness reduces the cost of repairs and replacements making this device suitable for logistics, field service and retail applications.

Versatile future proof functionality

Powered by a fast and powerful 64-bits 1.3 Ghz Quad Core Processor, 3GB RAM, 16GB storage and running on Android 6.0 operation system, the TB128 provides the perfect balance between power consumption and speed by offering superior fast performance and smooth operation.

By combining optional 2D barcode scanner, UHF RFID reader (capable to read up to 2m*), NFC reader, 2MP front and 8 MP rear auto-focus camera including flash in one durable tablet, this tablet is designed to empower your mobile workforce. In addition, the TB128 offers high flexibility and connectivity in the field by supporting the latest Smart Bluetooth 4.1, Dual-band (802.11 a/b/g/n WLAN) WiFi and 4G/LTE connectivity it truly fulfills high flexibility for mobile and field services workers to get connected anywhere. This lightweight (735g) and at slim 7" Unitech tablet gives maximum comfort with advanced technologies!

Versatile future proof functionality

The TB128 industrial tablet was built to be functional while combining this with a durable and user-friendly design. That why the TB128 includes additional features going beyond traditional enterprise tablets.

Scan, swipe, or type your data into this powerful machine. The beautiful and responsive 7" touch screen connects you to key stock and price information without sacrificing space for a soft keypad. This 37-key keypad is carefully designed to guarantee fast data entry for any worker. This provides them to use full screen mode - while remaining the full operation on the keyboard - without the interruption of screen operation or screen keyboard entry.

The keypad also includes programmable hot keys and scan button. Empowering barcode capturing even further, this tablet integrates 2 rear scanning buttons, giving workers maximum scanning comfort. To empower a non-interruption workflow the TB128 integrates a powerful 5200mAh hot-swappable Li-Polymer battery with a user-friendly design for battery latch tabs design releasing. This allows users to change the main battery easily and quickly, without the requirement of rebooting and resuming their works. This brings a new level of industrial tablet with high reliability for business applications and field service.

Main features

- **Fast performance and smooth operation:** Android 6.0 operation system; Quad Core 1.3 GHz CPU; RAM 3G
- **Convenient data entry:** Large 7-inch color multi-touch (sunlight-readable display), integrated numeric keypad, programmable hot keys and front-/rear- scan buttons.
- **Convenient data collection:** Built-in keypad, 2 MP front- / 8MP rear camera, NFC and optional 2D barcode scanner and UHF RFID reader
- **Advanced communication:** 4G / LTE, Bluetooth v4.1, GPS, Dual band (802.11 a/b/g/n quad-mode radios) WiFi.
- **Ultra-Rugged Construction:** Gorilla Glass III, IP65 rated, 1.2m drop and MIL-STD-810G certified
- **Hot-swap battery design:** easy swap, without downtime
- **Device supported versatile:** SOTI, Airwatch, 12Manage, etc.
- **Great line of professional accessories** to customize and empower the workflow, meeting different deployment and usage of the worker.

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*Reading distance up to 2m (Tested 30 dBm - RFID UHF Alien 9640 tag). Distance range depends on the tag and environment.



V2 TB128 Specifications

System Features

| | |
|-------------------|--|
| CPU | MTK MT8735 1.3Ghz Quad Core Processor |
| Memory | 3GB Mobile DDR RAM 16GB NAND Flash |
| OS | Android 6.0 |
| Languages support | English, Simp. Chinese, Traditional Chinese, Japanese, Spanish, German, French, etc. |
| Storage | Support MicroSD memory card up to 64GB |
| Other | eCompass Light & Proximity sensor G-sensor |

Display

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

Keypad

39 physical keys.
Numeric and functionable keys + 2 trigger keys (backside)

Camera and Flash Light

2M Pixels Front Camera. 8M Pixels Rear Camera CMOS Sensor Camera with Auto focus, LED flash light.

Indicator

1 LED indicate charge/Message
Vibrator

Optional 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/HF

Frequency: 13.56MHz
Tag Support: ISO15693, ISO14443A, ISO14443B
Support NFC

RFID/UHF (optional)

Frequency 902~928 MHz
Frequency 865.6~8676 MHz
TX Power 24dBm (2.5W)
Vertical polarized antenna
Reading distance: up to 2m (Tested 30 dBm - RFID UHF Alien 9640 tag). Distance range depends on the tag and environment.

Audio

1W speaker 85 dB at 10cm, 3.5 Audio Jack, Receiver, Microphone

Enclosure

Weight 735g with 2D SE4750 Engine version (with Battery)
Dimension 264.5x143.7x18.8 (mm)

GPS

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

Device supported versatile:

Airwatch, SOTI, 12Management.

Regulatory Approvals

CE, NCC, FCC, BSMI, VCCI, CCC, RoHS compliance. WiFi b/g/n.
Bluetooth Microsoft Azure IOT

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Communication

| | |
|-----------|--|
| USB | USB 2.0 OTG |
| WLAN | IEEE 802.11 a/b/g/n |
| Bluetooth | Bluetooth 4.1 with Bluetooth SIG certification |
| WWAN | 2G – GSM: GSM850, EGSM900, DCS1800, PCS1900 3G – UMTS: Band 1, Band 2, Band 5, Band 8 4G – LTE: FDD Band 1(2100), Band 2(1900), Band 3(1800), Band 5(850), Band 7(2600), Band 8(900), Band 20(800) TDD: Band 38(2600), Band 39(1900), Band 40(2300), Band 41(2500), SIM slot x1 |

Power Source

Main Battery Hot-swap Battery. 19.76Wh 3.8V @5200mAh
Li-Polymer battery pack



(Hot swappable battery)

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 |
| 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 |

Accessories

- 1-Slot USB Client/Host Cradle with 1-Slot Battery Charger
- 1-Slot Ethernet Client/Host Cradle with 1-Slot Battery Charger
- Sylus + coiled cord
- X-strap
- Shoulder strap
- Car cradle
- 5200 3.8V mAH standard Battery
- Battery door
- Micro USB cable
- Power adaptor 5V/6A with universal plugs



Unitcare'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.unitcare.eu.**

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