



TOUGHBOOK T1

- Android™ 9 (Pie)
- Integrated straight-shooting 1D/2D barcode reader with optional triggered pistol grip
- Industry standard quad-core processor by Qualcomm®
- Optional multi-carrier 4G LTE data support with cellular voice capability
- Loud speaker with noise suppression and echo cancellation microphones
- Designed to meet MIL-STD-810G, 5' Drop, All-weather IP66 and IP68 dust and water-resistant design
- 5" HD display with glove and rain mode
- 1-year warranty with business class support

A SLEEK RUGGED HANDHELD FOR MISSION CRITICAL ENTERPRISE WORK WITH INTEGRATED BARCODE READER.

The Panasonic TOUGHBOOK T1 is a slim and sleek Android OS based handheld that proudly carries the TOUGHBOOK name. Its ability to be used in enterprises to collect information from workers in retail stores, warehouses, field service, transportation and delivery or many other environments where work must occur belies its mild looking exterior. The TOUGHBOOK T1 has a quad-core processor and a straight-shooting barcode reader, with options to have a pistol grip with trigger or connect to multi-carrier 4G LTE with voice capability. Users of this handheld won't miss a beat with its great battery life, glove and rain touch enabled 5" screen, 5 foot drop rating and IP66 and IP68 certification. Plus, the TOUGHBOOK T1 with Panasonic's Productivity+ ecosystem of development, deployment and sustainment tools and services is ready to satisfy all who are involved in your organization from the IT department, operations management and end users.

5-FOOT
DROP RATING

IP66

IP68

TOUGHBOOK

productivity+

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TOUGHBOOK T1 Mk1.5

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SPEC SHEET



TOUGHBOOK T1

SOFTWARE

- Android™ 9 (Pie)¹
- Productivity+ Panasonic's development, deployment and sustainment ecosystem of tools and services

CERTIFICATIONS AND DURABILITY

- Designed to meet MIL-STD-810G²
- IP66 and IP68 sealed all-weather design
- 5' drop-resistant and tumble tested (500 tumbles, 3.3ft. 5 rpm)

CPU

- Qualcomm® MSM8909 1.1GHz Quad-Core

STORAGE & MEMORY

- Memory 2GB³
- Storage eMMC: 16 GB³
 - Additional storage available with optional Storage Card: SD (up to 2 GB), SDHC (up to 32 GB), SDXC (up to 64 GB)⁴

DISPLAY

- 5" high definition 1280 x 720
- 10-point capacitive multi touch with rain sensing and glove touch modes
 - Optional Passive Stylus
 - Display with direct bonding
 - Automatic screen rotation

AUDIO

- Integrated microphone (x3)
- Loud volume speaker (mono) x1 up to 95 db
- Noise suppression and echo cancellation engine

CAMERAS

- Full HD 8MP rear camera with LED light

SENSORS

- Ambient light sensor and acceleration sensors

KEYBOARD & INPUT

- 10-point gloved multi touch
- 2 buttons (user-definable)
- On-screen QWERTY keyboard

INTERFACE & EXPANSION

- Docking connector
- Mini-jack stereo headphone & microphone
- Micro-USB option to be host or client interface 2.0 (x1)⁵
- xPak interface
- microSDXC (up to 64 GB)⁴

WIRELESS

- Qualcomm® WCN2660B IEEE802.11 a/b/g/n/d/h/i/r
- Nano SIM card slot (x1)
- Bluetooth® v4.2 Classic Mode LE (class 1)
- Qualcomm® MSM8909 – 4G LTE, HSPA+, UMTS, EDGE, GPRS, GSM
- GPS GPS/GLONASS CEP50 (±2 to 4 m)
- Certified with Verizon and AT&T (Voice and Data)
- Near Field Communication (NFC)
 - Type A, Type B, Felica

SECURITY FEATURES

- ARM® TrustZone® (Built-in)

POWER⁶

- Li-Ion 3.8V, 3,200 mAh Battery:
 - 12 hours based on standard enterprise user profile
- Warm swap battery
- Standard battery charging time:
 - Power on or off approx. 2.5 hours
- Micro-USB charging capability sold separately
- Consumption approx. 13W⁷

DIMENSIONS & WEIGHT⁸

- 3.0" x 6.1" x 0.5"/0.7" (barcode reader section)
- 0.5 lb. with Standard Battery

WARRANTY

- 1-year limited warranty, parts and labor

KEY FEATURES

- 1D/2D barcode reader (SE4710) with LED light

Please consult your reseller or Panasonic representative before purchasing to learn more about the TOUGHBOOK T1 and the wide variety of accessories and services offered.

1 Product functionality cannot be guaranteed if the operating system is modified or replaced by the user or a third party.

2 Do not expose the skin to this product when using the product in a hot or cold environment. When using the product in hot or cold environments, some peripherals may not perform properly. Confirm the recommended operation environment of the peripherals. Using the product continuously in hot environments will shorten the product life. Avoid continuous use in these types of environments. When using the product in cold environments, the product may take longer to start up and battery operation time may be reduced. Even when using the product within the temperature and humidity ranges listed here, using the product continuously in extreme environments will result in product deterioration and will shorten the life of the product.

3 1 MB = 1,048,576 bytes, 1 GB = 1,073,741,824 bytes

4 Operation has been tested and confirmed using the following Panasonic brand memory cards: SD (up to 2 GB), SDHC (up to 32 GB), SDXC (up to 64 GB). Compatibility with other SD devices is not guaranteed.

5 Does not guarantee operation of all USB-compatible peripherals.

6 Enterprise user profile: Barcode usage of 3 scans per minute; WWAN data transfer usage of 90 seconds every 10 minutes; Wi-Fi usage of 30 minutes; Cellular voice usage of 15 minutes. 25°C (77°F) environment. Temperature range for charging: 10°C to 35°C (50°F to 95°F) Humidity: 30% to 80% relative humidity. The power supply is designed for use with power sources that supply up to 240 V AC. Actual performance varies depending on usage conditions, connected peripherals, etc. Typically, operating time is reduced in colder environments. Talk time may vary depending on the condition of the mobile network. As defined by the JEITA Specification, Working Mode B. (Two times reading in every 10 seconds). Charging with optional charging cup, directly connected Panasonic USB power supply or cradle. Varies depending on usage conditions. You can turn on battery warm swap mode by UI operation, before removing the battery or FZ-T1 automatically goes into battery warm swap mode when the battery is removed.

7 When the battery is fully charged (or not being charged) and the unit is off. Powered with optional charging cup, directly connected Panasonic USB power supply or cradle. Rated power consumption.

8 Actual size may vary by unit configuration. Actual weight may vary by unit configuration.



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