TOUGHBOOK T1

- Android™ 8.1 (Oreo™)

- 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

- Available with P.180 for seamless global connectivity

5-FOOT DROP RATING

IP66

IP68

P.180
GET WORK DONE.™

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, use a stylus pen 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. The TOUGHBOOK T1 is ready to be used by satisfied end users everywhere in your organization.

TOUGHBOOK T1

DURABILITY	■ Designed to meet MIL-STD-810G[16] ■ IP66 and IP68 sealed all-weather design ■ 5' drop-resistant and tumble tested (500 tumbles, 3.3ft. 5 rpm)
SOFTWARE	■ Android 8.1 (Oreo)[17]
CPU	■ Qualcomm® MSM8909 1.1GHz Quad-Core

STORAGE & MEMORY	■ Memory 2GB[1]
	■ Storage eMMC: 16 GB[1]
	  – Additional storage available with optional Storage Card:
	    SD (up to 2 GB), SDHC (up to 32 GB), SDXC (up to 64 GB)[2]

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) x 1 up to 95 db ■ Noise suppression and echo cancellation engine
KEYBOARD & INPUT	■ 10-point gloved multi touch ■ 2 buttons (user-definable) ■ On-screen QWERTY keyboard
SENSORS	■ Ambient light sensor and acceleration sensors
CAMERAS	■ Full HD 8MP rear camera with LED light
EXPANSION	■ microSDXC (up to 64 GB)[2]
INTERFACE	■ Docking connector ■ Micro-USB option to be host or client interface 2.0 (x1)[3] ■ Mini-jack stereo headphone & microphone ■ xPak interface
WIRELESS **P.180** GET WORK DONE.™	■ Qualcomm® WCN3660B IEEE802.11 a/b/g/n/d/h/i/r ■ Qualcomm® MSM8909 - 4G LTE, HSPA+, UMTS, EDGE, GPRS, GSM ■ Certified with Verizon, AT&T (Voice and Data) and P.180 (Data only) ■ Nano SIM card slot (x1) ■ Bluetooth® v4.2 Classic Mode LE (class 1) ■ GPS GPS/GLONASS CEP50 (±2 to 4 m) ■ Near Field Communication (NFC) – Type A, Type B, Felica

POWER SUPPLY[4,5,6,7,8,9,10,11]	■ Standard battery: Li-ion 3.8V, 3,200 mAh
	■ Standard battery operation
	  – 12 hours based on standard enterprise user profile[9]
	■ Warm Swap
	■ Standard battery charging time:
	  – Power on or off approx. 2.5 hours[4]
	■ Micro-USB charging capability sold separately[5]

POWER MANAGEMENT[11]	■ Consumption approx, 13W[12,13] ■ Warm swap battery
SECURITY FEATURES	■ ARM® TrustZone® (Built-in)
WARRANTY	■ 1-year limited warranty, parts and labor
DIMENSIONS & WEIGHT[14,15]	■ 3.0" x 6.1" x 0.5"/0.7" (barcode reader section) ■ Approx. 0.53 lb. with Standard Battery

KEY FEATURES
■ 1D/2D barcode reader (SE4710) with LED light

ACCESSORIES
■ Single Bay Desktop USB I/O and charge cradle with 5v power supply and AC cord	FZ-VEH1T1AAM
■ 5-Bay Desktop Ethernet I/O and charging cradle with 110W power supply and AC cord	FZ-VEH5T1AAM
■ 5-Bay Desktop charge-only cradle with 110W power supply and AC cord	FZ-VCH5T1AAM
■ 5-Bay Battery charger with 110W power supply and AC cord	FZ-VCBT131M

■ Charging cup with desktop stand (charge only)
  (No power supply included. Purchase
  FZ-AAE184EM for desktop usage or car DC
  charger for in-vehicle usage)
	FZ-VCBT11U

■ Standard battery 3,200mAh for FZ-T1	FZ-VZSUT10U
■ Standard battery 3,200mAh for FZ-T1 – 10 Pack	FZ-VZSUT1AU
■ USB Charger[5]	FZ-AAE184EM
■ Holster	FZ-VSTT12U
■ Pistol grip	FZ-VGGT111U
■ Passive Stylus Pen	CF-VNP021U
■ Tethers -3 Pack	FZ-VNTT11U
■ Screen protector films – 10 Pack	FZ-VPFT11U

Please consult your reseller or Panasonic representative before purchasing.

Specifications given herein may be changed at any time without prior notice.

[1] 1 MB = 1,048,576 bytes, 1 GB = 1,073,741,824 bytes

[2] 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.

[3] Does not guarantee operation of all USB-compatible peripherals.

[4] 25ºC (77ºF) environment. Temperature range for charging: 10ºC to 35ºC (50ºF to 95ºF) Humidity: 30% to 80% relative humidity.

[5] The AC adaptor is designed for use with power sources that supply up to 240 V AC.

[6] Actual performance varies depending on usage conditions, connected peripherals, etc. Typically, operating time is reduced in colder environments.

[7] Talk time may vary depending on the condition of the mobile network.

[8] As defined by the JEITA Specification, Working Mode B. (Two times reading in every 10 seconds)

[9] Enterprise user profile: Barcode usage of 3 scans per minute; WWAN data tranfer usage of 90 seconds every 10 minutes; Wi-Fi usage of 30 minutes; Cellular voice usage of 15 minutes

[10] Charging with optional charging cup or cradle. Varies depending on usage conditions.

[11] Need to turn on battery warm swap mode before remove the battery. You can turn on battery warm swap mode by UI operation or FZ-T1 automatically turns into battery warm swap mode when the battery is removed.

[12] When the battery is fully charged (or not being charged) and the unit is off.

[13] Powered with optional charging cup or cradle. Rated power consumption.

[14] Actual size may vary by unit configuration.

[15] Average weight. Actual weight may vary by unit configuration.

[16] 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 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.

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

LASER RADIATION
DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT
1mW MAX   630-680 nm
EN 60825-1:2007 IEC60825-1:2007

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