



## TOUGHBOOK S1

- TOUGHBOOK S1 is supported by productivity+, a comprehensive world-class Android™ solution
- Optional 1D/2D barcode reader, 2nd USB type A and extended-life battery
- 7" HD sunlight viewable screen with patented rain mode, glove touch and multi-touch
- Warm swap battery function with up to 14 hours of battery life
- Certified to latest MIL-STD-810H standards
- FirstNet Ready™ and supports Band 14 connectivity



[na.panasonic.com/TOUGHBOOKS1](http://na.panasonic.com/TOUGHBOOKS1) | 1-888-245-6344

TOUGHBOOK FZ-S1

## POWERFUL AND RUGGED, OUR 7" TABLET IS DESIGNED FOR ANYTHING THAT COMES ITS WAY. PURPOSE-BUILT FOR ENTERPRISE-FOCUSED CAPABILITIES.

The Panasonic TOUGHBOOK S1 is a rugged Android™ 7" tablet that is the latest addition to our lineup of Android™ devices. The TOUGHBOOK S1 has a powerful octa-core processor, supports 4G LTE and FirstNet® connectivity. It also features an optional extended-life battery that supports warm swap functionality. The tablet has the flexibility to be used in all markets including logistics, transportation, retail and field service. Equipped with an optional integrated barcode reader that supports landscape or portrait orientations. The TOUGHBOOK S1 also features an outdoor-viewable display with patented rain mode and glove touch functionality, making this tablet the choice for outdoor workers everywhere. Featuring a 5 foot drop rating and IP65 and IP67 certification for dust and water resistance the TOUGHBOOK S1 is purpose-built to seamlessly operate in the enterprise environment.



SPEC SHEET



# TOUGHBOOK S1

# Panasonic

**SOFTWARE** • Android 10

## CERTIFICATIONS AND DURABILITY

- MIL-STD-810H certified<sup>1</sup>
- IP65 and IP67 dust and water resistant
- 5' drop-resistant and tumble tested (500 tumbles, 3.3ft. 5 rpm)

**CPU** • Qualcomm<sup>®</sup> SDM660 2.2GHz/1.843GHz Octa-core

**STORAGE & MEMORY**

- Memory: 4GB (LPDDR4)<sup>2</sup>
- Storage eMMC: 64GB<sup>2</sup>
  - Additional storage available with optional Storage Card: SD (up to 2 GB), SDHC (up to 32 GB), SDXC (up to 64 GB)<sup>3</sup>

**DISPLAY**

- 7" WXGA 1280 x 800
- 10-point capacitive multi touch with rain sensing and glove touch modes
  - Display with direct bonding
  - Automatic screen rotation
  - Anti-reflective (AR) screen treatment
  - 500nit

**AUDIO**

- Integrated microphone
- Loud Speaker 94dBA

**CAMERAS**

- 13MP rear camera with LED flash
- 5MP front facing camera

**SENSORS**

- Ambient light/Digital Compass/Gyro/Acceleration

**KEYBOARD & INPUT**

- 10-point gloved multi touch
- On-screen QWERTY keyboard

**INTERFACE & EXPANSION**

- Docking connector
- USB 3.0 Type-C<sup>®</sup> host<sup>4</sup> (OTG, BC 1.2, DP, HDMI)
- Optional USB Type-A host
- Mini-jack stereo headphone & microphone
- microSDXC (up to 64 GB)<sup>3</sup>

**WIRELESS**

- Qualcomm<sup>®</sup> WCN3990 IEEE802.11 a/b/g/n/ac/d/h/i/r/k/v/w
- Optional Sierra Wireless AirPrime<sup>®</sup> EM7511 – 4G LTE and HSPA+
- Certified with Verizon, AT&T and FirstNet<sup>™</sup>
- Nano SIM card slot (x2)
- Bluetooth<sup>®</sup> V5.1 Class1
- GPS/GPS/GLONASS/Galileo/Beidou/QZSS
- Near Field Communication (NFC -Type A, Type B, feliCa, ISO/IEC 15693)

**SECURITY FEATURES**

- ARM<sup>®</sup> TrustZone<sup>®</sup> (Built-in)
- NFC
- Smart Card Reader (optional)

**POWER**

- Battery pack: Li-ion 3.8V, 3,200mAh
- Battery pack operation
  - Approx. 8 hours based on standard enterprise user profile<sup>5</sup>
- Battery pack charging time:
  - Power on or off approx. 3 hours<sup>6</sup>
- Warm Swap with clock backup<sup>7</sup>
- Extended-life battery
  - Li-ion 3.8V, 5,580mAh
- Extended-life battery operation
  - Approx. 14 hours based on standard enterprise user profile<sup>5</sup>
- Extended-life battery charging time:
  - Power on or off approx. 4.5 hours<sup>6</sup>
- USB Type-C<sup>®</sup> charging adapter sold separately<sup>8</sup>
- Consumption approx, 27W<sup>9</sup>

**DIMENSIONS & WEIGHT**

- 7.6" x 5.16" x .75" (without barcode reader section)<sup>10</sup>
- Approx. .94 lb. with battery pack<sup>11</sup>

**WARRANTY** • 1-year limited warranty, parts and labor

**INTEGRATED OPTIONS**

- 4G LTE Band 14 EM7511 multi carrier mobile broadband with satellite GPS
- Choice of 1D/2D barcode reader (SE4750) with LED light in landscape or portrait orientation and 2nd USB Type-A. Combinations vary by SKU configuration.

Please consult your reseller or Panasonic representative to learn more about the TOUGHBOOK S1 and the wide variety of accessories and services offered.

- 1 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.
- 2 1 MB = 1,048,576 bytes, 1 GB = 1,073,741,824 bytes
- 3 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.
- 4 Does not guarantee operation of all USB-compatible peripherals.
- 5 Enterprise user profile: Measured with LCD brightness: 150 cd/m<sup>2</sup>, Web browsing every 20 seconds through WLAN. Battery life varies depending on the usage conditions or when an optional device is attached.
- 6 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.
- 7 Warm swap activation is activated by using the warm swap menu option or by releasing the battery locking mechanism.
- 8 The USB Type-C<sup>®</sup> adapter is designed for use with power sources that supply up to 240 V AC.
- 9 When the battery is fully charged (or not being charged) and the unit is off. Powered with optional cradle. Rated power consumption.
- 10 Actual size may vary by unit configuration.
- 11 Average weight. Actual weight may vary by unit configuration.



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