Panasonic CONNECT

TOUGHBOOK®

TOUGHBOOK N1

- Android™ 9 (Pie)

- Angled barcode scanner increases productivity

- Industry leading octa-core processor by Qualcomm®

- Dual SIM multi-carrier 4G LTE plus band-14 data support with cellular voice capability

- FirstNet Ready and capable of AT&T ePTT (Enhanced push-to-talk)

- High volume 100db speaker with noise suppression and echo cancellation microphones

- MIL-STD-810G, 7' Drop, All-weather IP66 and IP68 Dust and Water-resistant design

- Patented rain sensing and glove touch enabled screen technology[1]

- 3-Year Warranty with business class support

FULLY RUGGED HANDHELD WITH THE ANDROID OPERATING SYSTEM AND UNIQUE BARCODE READER DESIGN

The Panasonic TOUGHBOOK® N1—a powerful, slim and fully rugged handheld. It's the all-in-one tool that's ideal for where work takes you each day. With an octa-core processor, angled rear-facing barcode reader, optional stylus pen, and long-lasting battery that is warm-swappable; you won't miss a beat. When a flexible device is in demand, the TOUGHBOOK N1 delivers the Android operating system and its Google Play store with a plethora of applications. With additional support from Panasonic's Productivity+ ecosystem of development, deployment and sustainment tools and services, we are ready to satisfy everyone in your organization from the IT department and operations management to end users. Plus, with built-in multi-carrier 4G LTE, voice capabilities, and dual SIM cards, the TOUGHBOOK N1 is ready to go where business goes. And even if it takes a seven-foot drop in a wind driven rain storm—it can handle it, making it the choice for unrelenting conditions.

7-FOOT DROP RATING

IP66

IP68

MIL-STD-810G

productivity+

FIRSTNET READY

na.panasonic.com/us/TOUGHBOOKN1 | 1-888-245-6344

SPEC SHEET

TOUGHBOOK N1

SOFTWARE
- Android 9 (Pie)[2]
- Productivity+ Panasonic's development, deployment and sustainment ecosystem of tools and services.

CERTIFICATIONS & DURABILITY
- MIL-STD-810G Certified
- IP66 and IP68 sealed all-weather design
- 7' drop-resistant and tumble tested (1000 tumbles, 3.3ft. 5 rpm)
- Port covers
- Raised bezel for LCD impact protection

CPU
- Qualcomm± SDM660-2 64bit 2.2GHzx4+1.8GHzx4 Octa-Core

STORAGE & MEMORY
- Memory 3GB[2]
- Storage eMMC: 32 GB[3]
  – Additional storage available with optional Storage Card: SD (up to 2 GB), SDHC (up to 32 GB), SDXC (up to 64 GB)[4]

DISPLAY
- 4.7" high definition 1280 x 720 daylight-viewable display
- 10-point capacitive multi touch with glove touch mode
  – Optional Passive or Active Stylus
- Rain sensing touch mode[1,5]
- 2-500 nit
- Display with direct bonding
- Anti-reflective treatments
- Automatic screen rotation

AUDIO
- Integrated microphone (x3)
- Loud volume twin speakers up to 100 db
- Noise suppression and echo cancellation engine

CAMERAS
- Full HD 5MP webcam
- Full HD 8MP rear camera with LED light

SENSORS
- Ambient light sensor, digital compass, gyro and acceleration sensors

KEYBOARD & INPUT
- 10-point gloved multi touch
- 5 buttons (user-definable)
- On-screen QWERTY keyboard

INTERFACE & EXPANSION
- Docking connector: 9-pin
- Micro-USB option to be host or client interface 2.0 (x1): 4-pin[6]
- Headphone & microphone: Mini-jack stereo
- microSDXC (up to 64 GB)[3]

WIRELESS
- Qualcomm® WCN3980 IEEE802.11 a/b/g/n/ac/r/d/h/i/k/v/w
- Qualcomm® SDM660 - 4G LTE with C.A., HSPA+, UMTS
- Certified with Verizon, AT&T and FirstNet (Voice and Data) and capable of ePTT
- Nano SIM card slot (x2)
- Bluetooth® v5.0 class 1 (Classic Mode/Low Energy Mode)
- GPS 2m CEP50 (±2 to 4m) GLONAS
- Near Field Communication (NFC)
  – Type A, Type B, Felica

SECURITY FEATURES
- FIPS140-2 level-1 compliant
- ARM® TrustZone® (Built-in)

POWER[7]
- Standard battery: Li-ion 3.8V, 3,200 mAh
- Optional long life battery: Li-ion 3.8V, 6,400mAh
- Standard battery operation:
  – Talk up to 27 hours; Approx. 12 hours depending on user profile.
- Long life battery operation:
  – Talk up to 44 hours; Approx. 19 hours depending on user profile.
- Continuous use data:
  – 8 to 16 hours
- Warm Swap:
  – A minimum of 30 seconds
- Standard battery charging time:
  – Power on or off approx. 2 hours
- Long Life battery charging time:
  – Power on or off approx. 3.3 hours
- Micro-USB charging capability sold separately
- Consumption approx. 15W
- Warm swap battery – Keeps applications active minimum of 30 seconds

DIMENSIONS & WEIGHT[8]
- 2.9" x 6.1" x 0.6"/1.2" (barcode reader section)
- Approx. 0.61 lb. with Standard Battery, 0.81 lb. with long life battery

WARRANTY
- 3-year limited warranty, parts and labor

INTEGRATED FEATURE
- 1D/2D barcode reader (SE4750) with LED and laser crosshairs

Please consult your reseller or Panasonic representative before purchasing to learn more about the TOUGHBOOK N1 and the wide variety of accessories and services offered.

1 US Patent No: US 9,141,245 B2; September 22, 2015

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

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 1 finger point touch is available in rain sensing touch mode

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

7 The AC adaptor is designed for use with power sources that supply up to 240 V AC. The included AC cord is designed for use with power sources that supply up to 300V AC. Actual performance varies depending on usage conditions, connected peripherals, etc. Typically, operating time is reduced in colder environments. Talk time may vary according to cellular network condition. Measured with VOIP application. When the battery is fully charged (or not being charged) and the unit is off. Rated power consumption. Fast charging only occurs with Panasonic single and multi-bay desktop chargers or the charging cup with the 16v Panasonic power supply. Directly connected micro-USB (5v) charging takes ~80% longer to charge than stated fast charge cycles.

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

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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