Panasonic
CONNECT

TOUGHBOOK®

TOUGHBOOK N1 Tactical

- Android™ 11 (R)
- Industry leading octa-core processor by Qualcomm®
- Dual SIM multi-carrier 4G LTE plus band-14 data support with cellular voice capability (FirstNet Ready)
- High volume 100dB speaker with noise suppression & echo cancellation microphones
- MIL-STD-810G, 7' Drop, All-weather IP66 & IP68 Dust and Water-resistant design
- Patented rain sensing & glove touch enabled screen technology[1]
- Front & rear-facing cameras for Web cam usage/remote meetings, rear camera with bright LED light integrates with barcode reading function with LED aimer.
- NIAP and FIPS 140-2 certified for Federal, DoD, Public Safety & other enterprise higher level security requirements[2]
- 3-Year Warranty with business-class support

productivity+

FIRSTNET READY

FULLY RUGGED HANDHELD WITH THE ANDROID OPERATING SYSTEM AND INTEGRATED CAMERA BARCODE SCANNING WITH NIAP CERTIFICATION[2]

The Panasonic TOUGHBOOK® N1 Tactical is a powerful, slim and fully rugged handheld. It's ideal for where you need to be with a functioning mobile computer—in the desert, in a hurricane or in a blizzard. The octa-core processor, front and rear-facing cameras, and long-lasting, warm-swappable battery keeps you in constant communication or continuously monitoring your situation with confidence. TOUGHBOOK N1 Tactical delivers the Android operating system, giving you the ability to develop in an open environment with thousands of applications. Plus, with built-in 4G LTE, cellular voice and data capabilities, 100dB speakers, three noise suppressing microphones, and dual SIM cards, the TOUGHBOOK N1 Tactical is ready to stay connected where your job sends you. The TOUGHBOOK N1 Tactical has integrated camera barcode scanning with an LED aimer that feels like a scan engine (no need to align the barcode in a window). If it takes a seven-foot drop to a concrete tarmac or gets dipped into a 5-foot vat of water— it can handle it and still operate, making it the choice for unrelenting conditions.

7-FOOT DROP RATING

IP66

IP68

MIL-STD-810G

na.panasonic.com/us/TOUGHBOOKN1Tactical | **1-888-245-6344**

SPEC SHEET

TOUGHBOOK N1mk3 Tactical
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TOUGHBOOK N1 TACTICAL

SOFTWARE

- Android™ 11 (R)[3]
- Integrated camera barcode scanning. (Feels like a scan engine!)
- CORE Asset Management
- Productivity+ Panasonic's development, deployment and sustainment ecosystem of tools and services.

CERTIFICATIONS & DURABILITY

- NIAP Common Criteria Certified[2]
- FIPS 140-2 Compliant
- 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 4 GB[3]
- Storage eMMC: 64 GB[4]
  – Additional storage available with optional Storage Card: SD (up to 2 GB), SDHC (up to 32 GB), SDXC (up to 64 GB)[5]

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[2,6]
- – 2-550 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 and LED aimer when used in barcode scanning mode.

SENSORS

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

KEYBOARD & INPUT

- 10-point gloved multi touch
- 5 programmable 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[7]
- Headphone & microphone: Mini-jack stereo
- microSDXC (up to 64 GB)[4]

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)
- 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 compliant
- ARM® TrustZone® (Built-in)
- NIAP Common Criteria Certified[2]

POWER[8]

- Standard battery: Li-ion 3.8V, 3,200 mAh (only, not compatible with the long life battery)
- Standard battery operation:
  – Talk up to 27 hours; Approx. 20 hours depending on user profile
- Continuous use data:
  – 12 hours
- Standard battery charging time:
  – Power on or off approx. 2 hours
- Micro-USB charging capability sold separately
- Consumption approx. 15W
- Warm swap battery – Keeps applications active minimum of 30 seconds

DIMENSIONS & WEIGHT[9]

- 2.9" x 6.1" x 0.7"
- Approx. 0.56 lb.

WARRANTY

- 3-year limited warranty, parts and labor

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

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

2 NIAP Certification (National Information Assurance Partnership)

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

4 1 MB = 1,048,576 bytes, 1 GB = 1,073,741,824 bytes

5 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.

6 1 finger point touch is available in rain sensing touch mode

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

8 The AC adapter 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.

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

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