



TOUGHBOOK N1 Tactical

- Android™ 9 (Pie)
- Industry leading octa-core processor by Qualcomm®
- Dual SIM 4G LTE with cellular voice capability
- 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 technology²
- Front and rear-facing cameras for Web cam usage/remote meetings and a rear camera with bright LED light to capture images and video
- NIAP certified option for Federal and DoD requirements¹
- 3-Year Warranty with business class support

FULLY RUGGED HANDHELD WITH THE ANDROID OPERATING SYSTEM AND NIAP CERTIFICATION¹

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. When device and systems security matters, the TOUGHBOOK N1 Tactical has a NIAP certified option.¹ 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

TOUGHBOOK®

productivity+

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

TOUGHBOOK N1 Tactical Mk2
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SPEC SHEET



TOUGHBOOK N1 Tactical

SOFTWARE

- Android 9 (Pie)³
- Productivity+ Panasonic's development, deployment and sustainment ecosystem of tools and services.

CERTIFICATIONS AND 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 4 GB³
- Storage eMMC: 64 GB⁴
 - 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}
 - 2-500 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-pin⁷
- 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 (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 level-1 compliant
- ARM[®] TrustZone[®] (Built-in)
- NIAP Certification¹

POWER⁸

- Standard battery: Li-ion 3.8V, 3,200 mAh
- Standard battery operation:
 - Talk up to 27 hours; Approx. 20 hours depending on user profile
- Continuous use data:
 - 12 hours
- Warm Swap:
 - A minimum of 30 seconds
- 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 & WEIGHT⁹

- 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 before purchasing to learn more about the TOUGHBOOK N1 Tactical and the wide variety of accessories and services offered.

1 NIAP Certification is an option. Currently pending.

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

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.

