



## TOUGHBOOK N1 TACTICAL

### 4.7" HANDHELD AS A BODYWORN SOLUTION

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.

- Android™ 11
- 4G LTE / 3G data and voice capability
- Qualcomm® SDM660-2 Octa-core processor
- 4 GB RAM, 64 GB storage and microSD card slot
- 4.7" HD daylight-readable display with glove and rain mode
- Optional passive and active pen for precise signatures
- MIL-STD 810G tested
- 2.1 metre drop resistance\*
- IP68 rated (submersible in water up to 1.5 metre for 30 minutes)
- 8MP rear and 5MP front camera
- User-replaceable battery with warm-swap function
- NFC, Bluetooth 5, WiFi, micro USB port and docking connector
- Triple microphones for superior noise suppression
- Dual front speakers delivering in total up to 100 dBA

\* tested at Panasonic

# 4.7" HANDHELD AS A BODYWORN SOLUTION

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.



Mobile Computing Platform	Qualcomm® Snapdragon 660 Octa-Core 2.2 GHz
Operating system	Android™ 11
RAM	4GB RAM
Graphic Chip	Qualcomm® Adreno 512 GPU
Storage	64GB eMMC 5.1
LCD	4.7" HD (1280x720 pixels), 16:9 aspect ratio with glove and rain mode
Bluetooth™	Version 5.0 Class 1
Wireless LAN	IEEE802.11 a/b/g/n/ac/d/h/i/r/k/v/w - 2.4GHz & 5GHz Support
Mobile Broadband*	4G LTE, supports 3G, x2 NanoSIM (Dual SIM Single standby)
GPS	Integrated (GPS, GLONASS, Galileo, QZSS) - CEP50 (±2 to 4m)
Sound	Dual speakers (delivering in total up to 100 dBA), 3x mics (2x Front & 1x Rear)
Security	ARM® TrustZone® , FIPS140-2 level-1 compliant
NFC	ISO/IEC 21481 (TypeA, TypeB, FeliCa and ISO/IEC 15693)
Other Sensors	Acceleration, Ambient Light, Digital Compass, Gyro
Front Camera	5 MP
Rear Camera	8 MP with autofocus and LED flash
Micro SD/SDXC Memory Card	x1
USB	x1 micro USB 2.0
Headset	x1
DC IN	via USB
Port Replicator	x1
Dual Antenna Connector*	x1
Gadget Port	not available
AC Adapter	USB charger with micro USB cable
Battery	Slim: 3,200 mAh (typ.) / Extended*: 6,400 mAh (typ.)
Battery Life	Up to 12 hours (Slim) / up to 19 hours (Extended)****
Power Management	Warm swap
Dimensions (WxHxD)	"With Slim Battery: 74 mm x 156 mm x 16.3 mm / 31mm (Barcode reader section) (without protruding parts) With Extended Battery: 74 mm x 156 mm x 26 mm / 31mm (Barcode reader section) (without protruding parts)"
Weight	Slim: 274g / Extended : 365
Drop Resistance	Minimum 210cm***
Dust Resistance	IEC529 (JIS C0920) IP6x**
Water Resistance	IEC529 (JIS C0920) IPx6** IEC529 (JIS C0920) IPx8**
Operating Temperature	-20 °C to 50 °C ***
Standard Configuration	N1mk3, 4GB RAM, 64GB Storage, Slim Battery
Included in the box	USB charger with micro USB cable and User Manual

FZ-N1mk3 Flat Model: September 2022

\* Typically, operating time is reduced in colder environments. \*\* Optional. \*\*Battery life measurement conditions: Wireless LAN connection enabled; continuous access to the server while browsing; swipe every 1 second; page change every 30 seconds, communication every 30 seconds. \*\*\*\*Dual SIM - Single Standby (at any given instance only one SIM is active and the device could be switched to the other SIM by GUI).

\*\*\*\*\* Tested at Panasonic

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