



4.7" slim and lightweight handheld tablet with optional angled barcode reader

TOUGHBOOK N1

4,7 Slim and Lightweight Handheld Tablet with Android 11

Key Features

Qualcomm® SDM660-2 Processor

Android™ 11

4.7" Active Matrix (TFT) colour LCD 1280 x 720 (HD) LCD with sunlight-viewable glove-enabled capacitive touchscreen (minimum 500cd/m²)

Warm swap

Tested to MIL-STD810G**, IP68*





TOUGHBOOK N1

A BETTER ANGLE ON BUSINESS

FULLY FEATURED 4.7" HANDHELD TABLET

The TOUGHBOOK N1 brings together the best of handheld, smartphone and barcode reader functionality into a single rugged and hard working device. Thanks to its fully-rugged design, with MIL-STD-810G test, IP68 rating, 2.1-metre drop resistance and the ability to withstand as many as 1,000 tumbles from a height of 1 metre, the device delivers a long life span and very low TCO. The user-replaceable and warmswappable battery, combined with a range of accessories such as carry and mounting solutions, make it a truly mobile device.

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<https://eu.connect.panasonic.com/gb/en/products/toughbook/toughbook-n1>

Mobile Computing Platform	Qualcomm® SDM660-2 Processor
Operating System	Android 11
RAM	4GB
Storage	64GB eMMC
LCD	4.7" Active Matrix (TFT) colour LCD 1280 x 720 (HD) LCD with sunlight-viewable glove-enabled capacitive touchscreen (minimum 500cd/m ²), support for active pen
Bluetooth™	5 Classic Mode (Class 1)
Wireless LAN	Qualcomm® WCN3980 (a/b/g/n/d/h/i/r/v/w)
Mobile Broadband*	LTE, HSPA+, UMTS, EDGE, GPRS, GSM (Data and Voice)
GPS	Embedded
NFC	Embedded supports Type A,B, ISO15693 and Felica
Sound	3 Microphones (x2 front, x1 rear) Speaker (up to 100 dB)
Security	FIPS140-2 level-1 compliant, Built-in ARM® TrustZone®
Front Camera	5mpixel
Rear Camera	8mpixel with LED light
Micro SD/SDXC Memory Card	x1
Barcode Reader	Ergonomic angled with laser aimer and light (N1) / Flat camera with LED aimer and light (N1 Flat), 1D/2D barcodes supported
Micro USB 2.0	x1
Headset	x1
Port Replicator	x1
Scan Buttons	x2
AC Adapter	USB charger and USB cable
Battery	Standard Battery: Li-Ion (1 cell, 12 Whr) end user replaceable Extended Battery*: Li-Ion (2 cell, 24Whr) end user replaceable (not available for N1 Flat)
Battery Life	Continuous data access time***: up to 12 hours (Standard Battery) / 19 hours (Extended Battery)
Power Management	Warm Swap
Dimensions (WxHxD)	N1 with Standard Battery: 74mm x 156mm x 16.3mm / 31mm (at Barcode reader) N1 with Extended Battery: 74mm x 156mm x 26mm / 31mm (at Barcode reader) N1 Flat 74 mm x 156 mm x 18.3 mm
Weight	N1 with Standard Battery: Approx 274g N1 with Extended* battery: Approx 365g N1 Flat: Approx 255g
Drop Resistance	210cm**
Tumble Resistance	2,000 tumbles each 1.0m**
Dust Resistance	IEC529 (JIS C0920) IP6x**
Water Resistance	IEC529 (JIS C0920) IPx8**
Operating Temperature	-20°C to +50°C **
Included in the box	USB charger with micro USB cable, User Manual, Regulatory Guide
Footnote	*Optional **Tested by an independent third party lab following MIL-STD-810G and IEC 60529, Sections 13.4, 13.6.2, 14.2.5 and 14.3 ***Battery life measurement conditions: Wireless LAN, connection enabled; continuous access to the server while browsing; swipe every 1 second; page change every 30 seconds.

TOUGHBOOK N1mk3: September 2022

*Optional - **Tested by an independent third party lab following MIL-STD-810G and IEC 60529, Sections 13.4, 13.6.2, 14.2.5 and 14.3 -
Tested by Panasonic - *Battery life measurement conditions: Wireless LAN, connection enabled; continuous access to the server while browsing; swipe every 1 second; page change every 20 seconds.