



## 4.7" Slim and Lightweight Android 11 Handheld Tablet with Optional Angled Barcode Reader

# TOUGHBOOK N1

The TOUGHBOOK N1 is one of the thinnest and most lightweight handheld devices in the 4.7" category. The device offers numerous unique features, including an angled rear barcode reader which protects users from repetitive strain and enhances productivity, and an optional passive and active pen for precise handwriting and signature capture. This cutting edge device has been designed for mobile workers in the postal and courier services, transportation and logistics, emergency and public safety, utilities, retail, manufacturing and defence sectors.

### Key Features

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Qualcomm® SDM660-2 Processor

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Android™ 11

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4.7" Active Matrix (TFT) colour LCD 1280 x 720 (HD) LCD with sunlight-viewable glove-enabled capacitive touchscreen (minimum 500cd/m<sup>2</sup>)

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Warm swap

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Tested to MIL-STD810G\*\*, IP68



## TOUGHBOOK N1

<https://ap.connect.panasonic.com/th/en/products/toughbook/toughbook-n1>

<b>Mobile Computing Platform</b>	Qualcomm® SDM660-2 Processor
<b>Operating System</b>	Android 11
<b>RAM</b>	4GB
<b>Storage</b>	64GB eMMC
<b>LCD</b>	4.7" Active Matrix (TFT) colour LCD 1280 x 720 (HD) LCD with sunlight-viewable glove-enabled capacitive touchscreen (minimum 500cd/m <sup>2</sup> ), support for active pen
<b>Bluetooth™</b>	5 Classic Mode (Class 1)
<b>Wireless LAN</b>	Qualcomm® WCN3980 (a/b/g/n/d/h/i/r/v/w)
<b>Mobile Broadband*</b>	LTE, HSPA+, UMTS, EDGE, GPRS, GSM (Data and Voice)
<b>GPS</b>	Embedded
<b>NFC</b>	Embedded supports Type A,B, ISO15693 and Felica
<b>Sound</b>	3 Microphones (x2 front, x1 rear)
	Speaker (up to 100 dB)
<b>Security</b>	FIPS140-2 level-1 compliant, Built-in ARM® TrustZone®
<b>Front Camera</b>	5 megapixel
<b>Rear Camera</b>	8 megapixel with LED light
<b>Micro SD/SDXC Memory Card</b>	x1
<b>Barcode Reader</b>	Ergonomic angled with laser aimer and light (N1) / Flat camera with LED aimer and light (N1 Flat), 1D/2D barcodes supported
<b>Micro USB 2.0</b>	x1
<b>Headset</b>	x1
<b>Port Replicator</b>	x1
<b>Scan Buttons</b>	x2
<b>AC Adapter</b>	USB charger and USB cable
<b>Battery</b>	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)
<b>Battery Life</b>	Continuous data access time***: up to 12 hours (Standard Battery) / 19 hours (Extended Battery)
<b>Power Management</b>	Warm Swap
<b>Dimensions (WxHxD)</b>	N1 with Standard Battery: 74mm x 156mm x 16.3mm / 31 mm (at Barcode reader)
	N1 with Extended Battery: 74mm x 156mm x 26mm / 31 mm (at Barcode reader)
	N1 Flat 74 mm x 156 mm x 18.3 mm
<b>Weight</b>	N1 with Standard Battery: Approx 274g
	N1 with Extended* battery: Approx 365g
	N1 Flat: Approx 255g
<b>Drop Resistance</b>	210cm**
<b>Tumble Resistance</b>	2,000 tumbles each 1.0m**
<b>Dust Resistance</b>	IEC529 (JIS C0920) IP6x
<b>Water Resistance</b>	IEC529 (JIS C0920) IPx8
<b>Operating Temperature</b>	-20°C to +50°C**
<b>Included in the box</b>	USB charger with micro USB cable, User Manual, Regulatory Guide
<b>Footnote</b>	*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.