



**Windows 11 Pro fully-rugged demonteerbare
notebook met 12" outdoor Full-HD-scherm**

TOUGHBOOK 33 mk4 Detachable

Toughbook 33 2-IN-1 Detachable, de 12,0" fully-rugged notebook met "hot swappable" dubbele accu, afneembaar toetsenbord met uitgebreide configuratieopties biedt een ongekend niveau van veelzijdigheid voor mobiele zakelijke computers.

Key Features

Intel® Core™ i5-1345U vPro-processor™ of Intel® Core™ i7 1370P vPro-processor™

Windows 11 Pro

12,0" Active Matrix (TFT) kleuren-LCD 2160 x 1440 (QHD) LCD met in zonlicht afleesbaar capacitief touchscreen met handschoen (tot 1.200cd/m²), IP55 Digitiser

IP65 Water- en stofbestendig*** Getest tegen MIL-STD810H***

Lange batterijduur tot 6,5 uur met hot swap

TOUGHBOOK





TOUGHBOOK 33 mk4 Detachable

**Yesterday's Legend, Today's
Leader.**

TOUGH YET VERSATILE

An evolution of the best-selling Panasonic Toughbook 31 notebook, this latest detachable device is powered by the 12th Generation Intel® Core™ i5-1245U vPro™ processor, delivering incredible performance, and is shipping with Windows 11 Pro. It also has a rich set of business interfaces with additional customisable options to meet a worker's needs. With its hot swappable twin batteries and outdoor viewing, glove enabled touchscreen, it's a versatile yet tough technology companion for mobile workers.

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<https://eu.connect.panasonic.com/nl/nl/toughbook/toughbook-33-series/toughbook-33-mk4-detachable>

Model	TOUGHBOOK 33mk4, 16GB RAM, 512GB SSD, 2x standard battery pack, IP55 digitiser pen
Operating System	Windows 11 Pro
Mobile Computing Platform	Intel® Core™ i5-1245U vPro™ Processor or Intel® Core™ i7 1370P vPro™ Processor
Graphic Chip	Intel® Iris Xe Graphics
RAM	16GB (max. 32GB) DDR4
Storage	512GB OPAL NVMe SSD (up to 2TB optional)
LCD	12.0" Active Matrix (TFT) colour LCD 2160 x 1440 (QHD) LCD with sunlight-viewable glove-enabled capacitive touchscreen (up to 1.200cd/m²), IP55 Digitiser
Wireless	Mobile Broadband: 4G or 5G with pyphysical SIM and eSIM support / 5G comes with extended battery, GPS*: U-Blox NEO-M9 Series Wireless LAN: Intel® Wi-Fi6E AX211, LAN: x2 IEEE 802.3 10Base-T / IEEE 802.3u 100BASE-TX / IEEE 802.3ab 1000BASE-T (Tablet + Keyboard) Bluetooth™: 5.3 + EDR Class 1
Interfaces	USB 2.0: x1 optional (Tablet)** x1 (Keyboard), USB 3.2 Gen 1 Type A: x3 (x1 Tablet, x2 Keyboard), Thunderbolt 4: x1, Configuration port (Tablet)**: Serial, 2D Barcode Reader, 2nd USB 2.0 SD/SDXC Memory Card: x1 Keyboard, HDMI: x1 (Tablet) x1 (Keyboard), VGA: x1 (Keyboard), LAN Port: x1 (Tablet) x1 (Keyboard), Native Serial Port: x1 optional (Tablet)** x1 (Keyboard), Headset: x1 (Tablet) x1 (Keyboard), Port Replicator: x1 (Keyboard), Dual Antenna Connector: x1 (Keyboard), Business Expansion Module**: Smart Card Reader, NFC, Fingerprint Reader
Front Camera	2 MP with IR / privacy shutter (Windows Hello compliant)
Rear Camera	8 MP with autofocus and LED flash
Sound	WAVE and MIDI playback, Intel® High Definition Audio subsystem support
Security	TPM (TCG V2.0 compliant) Password security (supervisor password, user password, hard disc lock) Integrated hardware security lock slot
Pointing device: Touchscreen (Touch panel)	Dual Touch (10 Finger touch (Capacitive) & Digitizer)
Dimensions: Main Unit + Keyboard (WxHxD)	Standard Battery: 313.0 mm x 288.4 mm x 46.1 mm / 12.3" x 11.4" x 1.8" (without protruding parts), Extended Battery: 313.0 mm x 288.4 mm x 56.6 mm / 12.3" x 11.4" x 2.2" (without protruding parts)
Weight : Main Unit + Keyboard	Standard Battery: 2.81kg / 6.2lb, Extended Battery: 3.14kg / 6.9lb
Battery Life	Standard: Approx 7 hours (Mobile Mark™ 25), Extended: Approx 15 hours (Mobile Mark™ 25)
Power Supply: AC Adaptor	Input: 100 V - 240 V AC, 50 Hz/ 60 Hz, Output: 15.6 V DC, 4.06A DC In: x1 (Tablet) x1 (Keyboard)
Power Supply: Battery	Standard: x2 Li-Ion (3 cell, 22Whr), Extended: x2 Li-Ion (6 cell, 45 Whr) optional
Power Supply: Hot Swap	Hot swap, Standby function, ACPI BIOS
Drop resistance<sup> ***</sup>	MIL-STD 810H, 150cm***
Dust resistance<sup> ***</sup>	IEC529 (JIS C0920) IP6x***
Water resistance<sup> ***</sup>	IEC529 (JIS C0920) IPx5***
Operating temperature<sup> ***</sup>	MIL-STD810H, -29°C to +63°C***
Included in the box	Power Supply, Power Cord, Display cleaning cloth and User Manual
Footnote Description	* Optional, ** One option exclusive possible in configuration port / business expansion module, *** Tested by an independent third party lab following MIL-STD-810H and IEC529, Sections 13.4, 13.6.2, 14.2.5 and 14.3,

TOUGHBOOK 33: November 2024

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