



Windows 11 Pro s maximální odolností, oddělitelný outdoorový displej Full-HD 12"

TOUGHBOOK 33 mk4 Detachable

Notebook Toughbook 33 2-v-1, oddělitelný, s displejem 12,0", maximální odolností, dvěma bateriemi a funkcí výměny za provozu Hot Swap, oddělitelnou klávesnicí a vysoce konfigurovatelnými funkcemi přináší pracovníkům v terénu bezkonkurenční flexibilitu a výkon.

Key Features

Procesor Intel® Core™ i5-1345U vPro™ nebo Procesor Intel® Core™ i7 1370P vPro™

Windows 11 Pro

12,0" barevný LCD displej s aktivní maticí (TFT) 2160 x 1440 (QHD) s kapacitní dotykovou obrazovkou viditelnou v rukavicích (až 1 200 cd/m²), digitizér IP55

IP65 Odolnost proti vodě a prachu*** Testováno podle MIL-STD810H***

Dlouhá výdrž baterie až 7 hodiny s výměnou za provozu

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.

Mobile Solutions Business Division - Europe,
Panasonic Connect GmbH, Hagenauer
Straße 43, 65203 Wiesbaden, Germany

<https://eu.connect.panasonic.com/cz/cs/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 SeriesWireless 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 2.0SD/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, 4.06ADC 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	MIL-STD 810H, 150cm***
Dust resistance	IEC529 (JIS C0920) IP6x***
Water resistance	IEC529 (JIS C0920) IPx5***
Operating temperature	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

Intel, the Intel logo, Intel Core, Intel vPro, Core Inside and vPro Inside are trademarks of Intel Corporation in the U.S. and other countries. Microsoft® and Windows® are registered trademarks of Microsoft® Corporation of the United States and/or other countries. All other brand names shown are the registered trademarks of the relevant companies. All rights reserved. All working conditions, times and figures quoted are optimum or ideal levels and may differ as a result of individual and local circumstances.