



**Windows 11 Pro Fully Rugged 2-in-1 Detachable  
Laptop & Tablet with 12.0" Outdoor Display**

## **TOUGHBOOK 33 mk3 Detachable**

The TOUGHBOOK 33 2-in-1 Detachable Notebook is highly configurable, bringing unrivalled flexibility and performance for mobile business computing professionals. Thanks to the detachable keyboard design and 6 usage modes, the TOUGHBOOK 33 offers the best of all worlds for mobile workers. Target industries for the device include field service workers, maintenance and service technicians in utilities and telecommunications, as well as government agencies, defence, the police and other emergency services.

### **Key Features**

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Intel® Core™ i5-1245U vPro™ Processor

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Windows 11 Pro

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12.0" Active Matrix (TFT) colour LCD 2160 x 1440 (QHD) LCD with sunlight-viewable glove-enabled capacitive touchscreen (up to 1.200cd/m<sup>2</sup>), IP55 Digitiser

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IP65 Water and dust resistant\*\*\* Tested against MIL-STD810H\*\*\*

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Long battery life of up to 6.5 hours with hot swap

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## TOUGHBOOK 33 mk3 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/gb/en/products/toughbook/toughbook-33-mk3-detachable>

<b>Mobile Computing Platform</b>	Intel® Core™ i5-1245U vPro™ Processor or Intel®Core™ i7 1270P vPro™ Processor
<b>Operating System</b>	Windows 11 Pro
<b>RAM</b>	16GB (max. 32GB) DDR4
<b>Graphic Chip</b>	Intel® Iris Xe Graphics
<b>Storage</b>	512GB OPAL NVMe SSD (up to 2TB optional)
<b>LCD</b>	12.0" Active Matrix (TFT) colour LCD 2160 x 1440 (QHD) LCD with sunlight-viewable glove-enabled capacitive touchscreen (up to 1.200cd/m <sup>2</sup> ), IP55 Digitiser
<b>Bluetooth™</b>	5.1 + EDR Class 1
<b>Wireless LAN</b>	Intel® Wi-Fi6E AX211
<b>Mobile Broadband*</b>	4G LTE with optional eSIM support
<b>GPS*</b>	U-Blox NEO-M8 Series
<b>LAN</b>	x2 IEEE 802.3 10Base-T / IEEE 802.3u 100BASE-TX / IEEE 802.3ab 1000BASE-T (Tablet + Keyboard)
<b>Sound</b>	WAVE and MIDI playback, Intel®High Definition Audio subsystem support
<b>Security</b>	TPM (TCG V2.0 compliant) Password security (supervisor password, user password, hard disc lock) Integrated hardware security lock slot
<b>Front Camera</b>	2 MP with IR / privacy shutter (Windows Hello compliant)
<b>Rear Camera</b>	8mpixel with autofocus and LED flash
<b>SD/SDXC Memory Card</b>	x1 Keyboard
<b>Configuration port (Tablet)**</b>	Serial, 2D Barcode Reader, 2nd USB 2.0
<b>USB 3.2 Gen 1 Type A</b>	x3 (x1 Tablet, x2 Keyboard)
<b>Thunderbolt 4</b>	x1
<b>USB 2.0</b>	x1 optional (Tablet)** x1 (Keyboard)
<b>HDMI</b>	x1 (Tablet) x1 (Keyboard)
<b>LAN Port</b>	x1 (Tablet) x1 (Keyboard)
<b>VGA</b>	x1 (Keyboard)
<b>Native Serial Port</b>	x1 optional (Tablet)** x1 (Keyboard)
<b>Headset</b>	x1 (Tablet) x1 (Keyboard)
<b>DC In</b>	x1 (Tablet) x1 (Keyboard)
<b>Port Replicator</b>	x1 (Keyboard)
<b>Dual Antenna Connector</b>	x1 (Keyboard)
<b>Business Expansion Module**</b>	Smart Card Reader, NFC, Fingerprint Reader
<b>AC Adapter</b>	Input: 100 V - 240 V AC, 50 Hz/ 60 Hz, Output: 15.6 V DC, 4.06A
<b>Battery</b>	Standard: x2 Li-Ion 11.1V (1,990 mAh), Extended* optional: x2 Li-ion 10.8V (4,120 mAh)
<b>Battery Life</b>	Standard: x2 Li-Ion (3 cell, 22Whr), Extended: x2 Li-Ion (6 cell, 45 Whr) optional
<b>Power Management</b>	Hot swap, Standby function, ACPI BIOS
<b>Dimensions (WxHxD)</b>	Standard Battery: 313.0 mm × 288.4 mm × 46.1 mm / 12.3" × 11.4" × 1.8" (without protruding parts), Extended Battery: 313.0 mm × 288.4 mm × 56.6 mm / 12.3" × 11.4" × 2.2" (without protruding parts)
<b>Weight</b>	Standard Battery: 2.81kg / 6.2lb, Extended Battery: 3.14kg / 6.9lb
<b>Drop Resistance</b>	MIL-STD 810H, 150cm***
<b>Dust Resistance</b>	IEC529 (JIS C0920) IP6x***
<b>Water Resistance</b>	IEC529 (JIS C0920) IPx5***
<b>Operating Temperature</b>	MIL-STD810H, -29°C to +63°C***
<b>Standard Configuration</b>	CF-33mk3, 16GB RAM, 512GB SSD, 2x standard battery pack, IP55 digitiser pen
<b>Included in the box</b>	Power Supply, Power Cord, Display cleaning cloth and User Manual
<b>Footnote</b>	* 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: March 2024

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