



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

# TOUGHBOOK 33 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

Intel® Core™ i5-10310U vPro™ Processor (optional Intel® Core™ i7-10810U vPro™\*\*)

Windows 11 Pro

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

IP65 water and dust resistant, MIL-STD 810H certified\*\*\*

Long battery life of up to 10 hours with hot swap

**TOUGHBOOK**





## TOUGHBOOK 33 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 10th Generation Intel® Core™ i5-10310U 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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TOUGHBOOK 33: January 2023

<https://eu.connect.panasonic.com/gb/en/products/toughbook/toughbook-33-detachable>

<b>Mobile Computing Platform</b>	Intel® Core™ i5-10310U vPro™ Processor (optional Intel® Core™ i7-10810U vPro™*)
<b>Operating System</b>	Windows 11 Pro
<b>RAM</b>	Built-in 8GB RAM or built-in 16GB* RAM
<b>Graphic Chip</b>	Intel® UHD Graphics
<b>Storage</b>	512GB OPAL NVMe SSD (w/with heater)
<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/m²), IP55 Digitiser
<b>Bluetooth™</b>	Version 5.1 Class 1
<b>Wireless LAN</b>	Intel® Wi-Fi 6 AX201 (up to 2.4 Gbps)
<b>Mobile Broadband*</b>	4G LTE, supports 3G
<b>GPS*</b>	U-Blox NEO-M8N
<b>LAN</b>	x1 (Tablet)
	x1 (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
<b>Rear Camera</b>	8MP 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 3.1</b>	x3 (x1 Tablet, x2 Keyboard)
<b>USB 3.1 type C PD</b>	x1
<b>USB 2.0</b>	x1 optional (Tablet)**
	x1 (Keyboard)
<b>HDMI</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>	x2 (Tablet + 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 (3 cell, 22Whr)
<b>Battery Life</b>	Standard: Approx. 10 hours (Mobile Mark™ 2014)
<b>Power Management</b>	Hot swap, Standby function, ACPI BIOS
<b>Dimensions (WxHxD)</b>	Tablet + Keyboard: 313.0mm x 288.4mm x 46.1 mm
	Tablet only: 308.0mm x 243.6mm x 21.6mm
<b>Weight</b>	Tablet + Keyboard: 2.79kg (with standard battery)
	Tablet only: 1.56kg (with standard battery)
<b>Drop Resistance</b>	MIL-STD810H, 150cm*** (in Tablet mode) / 150cm (in Clamshell mode)
<b>Dust Resistance</b>	IP6x
<b>Water Resistance</b>	IPx5
<b>Operating Temperature</b>	MIL-STD810H, -29°C to +63°C***
<b>Standard Configuration</b>	CF-33mk2, 8GB 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-STD810H Method 516.8 Procedure IV for transit drop test and Method 501.7 and 502.7 Procedure II for operation temperature test. May differ depending on models and options.

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