



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

## **TOUGHBOOK 33 mk2 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 / 6 MB cache, 1.7 GHz up to 4.4 GHz with Intel® Turbo Boost Technology

Windows 11 Pro / Windows 10 Downgrade Model available

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

Fully rugged design with Water and dust resistance (IP65)\*\*\*

Up to 10 hours battery life with standard twin batteries (MobileMark™ 2014) Up to 20 hours battery life with extended twin batteries (MobileMark™ 2014)

**TOUGHBOOK**





## TOUGHBOOK 33 mk2 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.

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

TOUGHBOOK 33: January 2023

<https://eu.connect.panasonic.com/gb/en/products/toughbook/toughbook-33-mk2-detachable>

<b>Mobile Computing Platform</b>	Intel® Core™ i5-10310U vPro™ Processor/ 6 MB cache, 1.7 GHz up to 4.4 GHz with Intel® Turbo Boost Technology
<b>Operating System</b>	Windows 11 Pro / Windows 10 Downgrade Model available
<b>RAM</b>	16GB (max. 32GB) DDR4
<b>Graphic Chip</b>	Intel® UHD Graphics
<b>Storage</b>	512GB OPAL NVMe SSD (1TB optional) [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>	5.1 + EDR Class 1
<b>Wireless LAN</b>	Intel® Wi-Fi6 AX201
<b>Mobile Broadband*</b>	4G LTE, supports 3G
<b>GPS*</b>	U-Blox NEO-M8N
<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 3.1</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)
	Extended: x2 Li-Ion (6 cell, 45 Whr) optional
<b>Battery Life</b>	Standard: Approx. 10 hours (Mobile Mark™ 2014)
	Extended: Approx. 20 hours (Mobile Mark™ 2014)
<b>Power Management</b>	Hot swap, Standby function, ACPI BIOS
<b>Dimensions (WxHxD)</b>	Standard Battery: 313.0 mm x 288.4 mm x 46.1 mm / 12.3" x 11.4" x 1.8"
	Extended Battery: 313.0 mm x 288.4 mm x 56.6 mm / 12.3" x 11.4" x 2.2"
<b>Weight</b>	Standard Battery: 2.78kg / 6.2lb
	Extended Battery: 3.14kg / 6.9lb
<b>Drop Resistance</b>	MIL-STD 810G, 150cm
<b>Dust Resistance</b>	IEC529 (JIS C0920) IP6x
<b>Water Resistance</b>	EC529 (JIS C0920) IPx5
<b>Operating Temperature</b>	MIL-STD 810G, -29 °C to 60 °C ***
<b>Standard Configuration</b>	CF-33mk2, 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-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.
<b>LAN</b>	x1 (Tablet) x1 (Keyboard)

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.