



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

## **TOUGHBOOK 33 Detachable**

WINDOWS 11 PRO FULLY-RUGGED DEMONTEERBARE NOTEBOOK  
MET 12" OUTDOOR FULL-HD-SCHERM

### **Key Features**

Intel® Core™ i5-7300U vPro™-processor

Windows 11 Pro (Windows 10 Pro downgrade is beschikbaar)

12,0" Active Matrix (TFT)-kleuren-LCD 2160 x 1440 (QHD) LCD met capacitief touchscreen (tot 1200 cd/m<sup>2</sup>) dat met handschoenen en in zonlicht kan worden gebruikt, IP55 Digitiser

IP65 Water- en stofbestendig\*\*, MIL-STD 810G gecertificeerd\*\*

Lange accuduur van maximaal 10 uur met hot swap-accu

**TOUGHBOOK**





## TOUGHBOOK 33 Detachable

<https://eu.connect.panasonic.com/be/nl/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 (Windows 10 Pro downgrade is available)
<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)
<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.