Panasonic CONNECT

TOUGHBOOK

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

TOUGHBOOK 33 mk4

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™ i5-1345U vPro™ Processor (optional Intel® Core™ i7-1370P 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 1200cd/m²), IP55 Digitiser

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

Long battery life of up to 7 hours with hot swap functionality (up to 14.5 hours with optional large batteries) MobileMark™ 25

intel vPRO i5

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TOUGHBOOK 33 mk 4

Fully Rugged. Always Ready.

Engineered from the ground up to be used on-the-go and in harsh environments, tested to military standards (MIL-STD810H) and IP55-rated for water and dust resistance. The TOUGHBOOK 33 can also survive drops, knocks, vibrations, extreme temperatures and more, so your team is always ready. No more device failures. No more downtime. No more disturbed work.

Mobile Computing Platform	Intel® Core™ i5-1345U vPro™ Processor (optional Intel® Core™ i7-1370P vPro™*)
Operating System	Windows 11 Pro
RAM	Built-in 16GB RAM (optional built-in 32GB RAM*)
Graphic Chip	Intel® UHD Graphics
Storage	512GB OPAL NVMe SSD with heater (optional 1TB & 2TB OPAL NVMe SSD*)
LCD	12.0" Active Matrix (TFT) colour LCD 2160 x 1440 (QHD) LCD with sunlight-viewable glove-enabled capacitive touchscreen (up to 1200cd/m²), IP55 Digitiser
Bluetooth™	Version 5.3
Wireless LAN	802.11ax WI-Fi 6E
Mobile Broadband*	4G LTE
GPS*	U-Blox NEO-M9N
LAN	x2 (Tablet + Keyboard)
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
Front Camera	2 MP
Rear Camera	8MP with Autofocus and LED flash
SD/SDXC Memory Card	x1 Keyboard (optional Micro SD in Tablet*)
Configuration port (Tablet)**	Serial, 2D Barcode Reader, 2nd USB 2.0, Micro SD
USB 3.1	x3 (x1 Tablet, x2 Keyboard)
USB 3.1 type C PD	x1 Thunderbolt 4: 40 Gbps (Tablet)
USB 2.0	x1 optional (Tablet)** x1 (Keyboard)
HDMI	x2 (Keyboard + Tablet)
VGA	x1 (Keyboard)
Native Serial Port	x1 optional (Tablet)** x1 (Keyboard)
Headset	x1 (Tablet)
DC In	x2 (Tablet + Keyboard)
Port Replicator	x1 (Keyboard)
Dual Antenna Connector	Yes (Tablet + Keyboard)*
Business Expansion Module**	Smart Card Reader, NFC, Fingerprint Reader
AC Adapter	Input: 100 V - 240 V AC, 50 Hz/ 60 Hz, Output: 15.6 V DC, 7.05A
Battery	Standard: x2 Li-Ion 11.1V (1,990 mAh) Large* (optional): x2 Li-ion 10.8V (4,120 mAh)
Battery Life	Standard: Approx 7 hours (Tablet only) / 6.5 hours (with Keyboard Base) MobileMark™ 25 Large* (optional): Approx 14.5 hours (Tablet only) / 14 hours (with Keyboard Base) MobileMark™ 25
Power Management	Hot swap, Standby function, ACPI BIOS
Dimensions (WxHxD)	Tablet + Keyboard: 313.0mm x 288.4mm x 46.1mm Tablet only: 308.0mm x 243.6mm x 21.6mm
Weight	Tablet + Keyboard: 2.81kg (with standard battery) Tablet only: 1.55kg (with standard battery)
Drop Resistance	MIL-STD810H, 150cm*** (in Tablet mode) / 150cm (in Clamshell mode)
Dust Resistance	IP6x
Water Resistance	IPx5
Operating Temperature	MIL-STD810H, -29°C to +63°C***
Standard Configuration	CF-33mk4, 16GB RAM, 512GB SSD, 2x standard battery pack, IP55 digitiser pen
Included in the box	Power Supply, Power Cord, Display cleaning cloth and User Manual

* Optional

** One option exlusive 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.