



## TOUGHBOOK 33 2-IN-1 DETACHABLE WINDOWS 11 PRO 12" FULLY RUGGED NOTEBOOK

TOUGHBOOK 33 2-IN-1 DETACHABLE, the 12.0" fully rugged notebook with hot swappable twin batteries, detachable keyboard with optional backlit keys, and highly configurable capabilities brings unrivalled flexibility and performance for mobile business computing. Thanks to the detachable keyboard design and 6 usage modes, the TOUGHBOOK 33 2-IN-1 DETACHABLE 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.

- Intel® Core™ i5-10310U vPro™ processor
- Windows 11 Pro / Windows 10 Downgrade Model available
- Next generation Dual-touch (with digitizer) display with 3:2 aspect ratio
- 12.0" QHD (2160 × 1440) anti-reflective high brightness outdoor display (up to 1200cd/m<sup>2</sup>)
- Capacitive 10 finger multi-touchscreen with glove and rain modes
- Digitiser pen embedded in the tablet part
- Detachable keyboard with various enterprise ports and backlit\* keys
- Fully rugged design with Water and dust resistance (IP65)\*\*
- User exchangeable and hot-swappable twin batteries
- Up to 10 hours battery life with standard twin batteries (MobileMark™ 2014)
- Up to 20 hours battery life with extended\* twin batteries (MobileMark™ 2014)
- Flexible configuration port\*\*\*and business expansion module\*\*\*
- Vehicle mount\* available for both notebook and tablet





## 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 Computing Platform	Intel® Core™ i5-10310U vPro™ Processor 6 MB cache, 1.7 GHz up to 4.4 GHz with Intel® Turbo Boost Technology
Operating System	Windows 11 Pro / Windows 10 Downgrade Model available
RAM	16GB (max. 32GB) DDR4
Storage	512GB OPAL NVMe SSD (1TB optional) [with heater]
Graphic Chip	Intel® UHD Graphics
LCD	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
Bluetooth™	5.1 + EDR Class 1
Wireless LAN	Intel® Wi-Fi 6 AX201
Mobile Broadband*	4G LTE, supports 3G
GPS*	U-Blox NEO-M8N
Sound	WAVE and MIDI playback, Intel® High Definition Audio subsystem support
Camera	Front: 2 MP with IR / privacy shutter (Windows Hello compliant) Rear: 8mpixel with autofocus and LED flash
SD/SDXC Memory Card	x1 (Keyboard)
Configuration port (Tablet)**	Serial, 2D Barcode Reader, 2nd USB 2.0
Interface	USB 3.1: x3 (x1 Tablet, x2 Keyboard) USB 3.1 type C PD: x1 USB 2.0: x1 optional (Tablet)**x1 (Keyboard) HDMI: x1 (Tablet)x1 (Keyboard) VGA: x1 (Keyboard) LAN: x1 (Tablet) x1 (Keyboard) Native Serial Port: x1 optional (Tablet)**x1 (Keyboard) Headset: x1 (Tablet)x1 (Keyboard) DC In: x2 (Tablet + Keyboard) Port Replicator: x1 (Keyboard) Dual Antenna Connector: x1 (Keyboard)
Business Expansion Module**	Smart Card Reader, NFC, Fingerprint Reader
Power	Power Management: Hot swap, Standby function, ACPI BIOS AC Adapter: Input: 100 V - 240 V AC, 50 Hz / 60 Hz, Output: 15.6 V DC, 4.06A Battery: Standard: x2 Li-Ion (3 cell, 22Whr)Extended: x2 Li-Ion (6 cell, 45 Whr) optional Battery Life: Standard: Approx. 10 hours (Mobile Mark™ 2014)Extended: Approx. 20 hours (Mobile Mark™ 2014)
Operating Temperature	MIL-STD 810G, -29 °C to 60 °C ***
Security	TPM (TCG V2.0 compliant) Password security (supervisor password, user password, hard disc lock) Integrated hardware security lock slot
Dimensions (W x H x D)	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"
Weight	Standard Battery: 2.78kg / 6.2lb Extended Battery: 3.14kg / 6.9lb
Standard Configuration	CF-33mk2, 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
Accessories	AC Adapter CF-AA5713A2E/G/T/D Desktop port replicator CF-VEB331U Standard battery pack (3 cell) CF-VZSU1AW Extended battery pack (6 cell) CF-VZSU1BW 4 bay battery charger CF-VCB331E/G/T/D Digitizer Stylus pen CF-VNP023U
Testing Standards***	Water Resistance IEC529 (JIS C0920) IPx5 Dust Resistance: IEC529 (JIS C0920) IP6x Drop Resistance: MIL-STD 810G, 150cm

TOUGHBOOK 33: April 2022

\*Optional; \*\*One option exclusively possible in configuration port / business expansion module; \*\*\*Tested by an independent third party lab following MIL-STD-810G and IEC 60529

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