



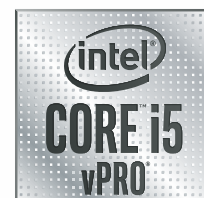
TOUGHBOOK 33 2-IN-1 DETACHABLE

WINDOWS 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/
Intel® core™ 17-10810U vPro™ processor
- *Windows 10 Pro / free upgradable to Windows 11
- Next generation Dual-touch (with digitizer) display with 3:2 aspect ratio
- 12.0" QHD (2160 x 1440) anti-reflective high brightness outdoor display (up to 1200cd/m²)
- 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

*The Windows 11 Upgrade timing may vary by device. Features and app availability may vary by region. Certain features require specific hardware (see aka.ms/windows11-spec).



TOUGHBOOK

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™ / i7-10810U processor, delivering incredible performance, and is shipping with Windows 10 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)	
		Intel® Core™ i7-10810U vPro™ Processor (12 MB cache, 1.1 GHz up to 4.9 GHz with Intel® Turbo Boost Technology)	
	Operating System	Windows 10 Pro / free upgradable to Windows 11	
	RAM	8GB (max. 32GB) DDR4	
	Storage	512GB OPAL NVMe SSD (1TB optional)	
	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/m ²), IP55 Digitiser	
	Bluetooth™	5.1 + EDR Class 1	
	Wireless LAN	Intel® WI-Fi6 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	x 1 x 2
		USB 3.1 TypeC	x 1 N/A
		USB 2.0	x 1 (optional) x 1
		HDMI	x 1 x 1
		VGA	N/A x 1
LAN		x 1 x 1	
Native Serial Port		x 1 (optional) x 1	
Headset		x 1 N/A	
DC In		x 1 x 1	
Port Replicator		x 1 x 1	
	Dual Antenna Connector	x 1 x 1	
	2D Barcode Reader	x 1 (optional) N/A	
	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 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	
	Included in the box	Power Supply, Power Cord, Display cleaning cloth and User Manual	
	Accessories	AC Adapter	CF-AA5713A7
		Desktop port replicator	CF-VEB331*
		Standard battery pack (3 cell)	CF-VZSU1AW7
		Extended battery pack (6 cell)	CF-VZSU1BW7
		4 bay battery charger	CF-VCB331*
		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***	

*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

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.

Panasonic
CONNECT

www.toughbook.in.panasonic.com