Panasonic

BUSINESS

TOUGHBOOK 33 2-IN-1 DETACHABLE
WINDOWS 10 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 10 Pro
- 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^2)
- 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

intel® CORE i5 vPRO®

TOUGHBOOK

www.toughbook.eu

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 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		
Operating System	Windows 10 Pro		
RAM	16GB (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/m²), 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:		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 × 288.4 mm × 46.1 mm / 12.3" × 11.4" × 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***

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