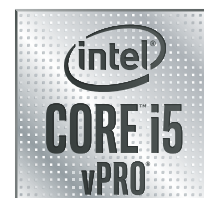# TOUGHBOOK CF-33 (Zone 2)
WINDOWS PRO 12" FULLY RUGGED NOTEBOOK

TOUGHBOOK CF-33 CLASS 1 DIVISION 2, the 12.0'' fully rugged notebook with hot swappable twin batteries, keyboard
backlit keys, and highly configurable capabilities brings unrivalled flexibility and performance for mobile business computing.
Target industries for the device include field service workers, maintenance and service technicians in utilities and telecommunications, as well
as government agencies, defence, oil and gas , pharma customers, the police and other emergency services.

- Intel® CoreTM i5-10310U vProTM processor/
  Intel® coreTM 17-10810U vProTM processor
- *Windows 10 Pro / free upgradble to Windows 11
- 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
- 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.

*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).

intel **CORE i5** vPRO

intel **CORE i7** vPRO

www.toughbook.in.panasonic.com

TOUGHBOOK

Yesterday's Legend, Today's Leader.

TOUGH YET VERSATILE

An evolution of the best-selling Panasonic Toughbook 31 notebook, this latest 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® CoreTM i5-10310U vProTM Processor (6 MB cache, 1.7 GHz up to 4.4 GHz with Intel® Turbo Boost Technology)		
	Intel® CoreTM i7-10810U vProTM Processor (12 MB cache, 1.1 GHz up to 4.9 GHz with Intel® Turbo Boost Technology)		
Operating System	Windows 10 Pro / free upgradble to Windows 11		
RAM	8 GB (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		
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**			
Power	Power Management:		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		
Included in the box	Power Supply, Power Cord, Display cleaning cloth and User Manual		
Accessories	AC Adapter		CF-AA5713A7
	Desktop port replicator		CF-VEB331U7
	Standard battery pack (3 cell)		CF-VZSU1AW7
	Extended battery pack (6 cell)		CF-VZSU1BW7
	Digitizer Stylus pen		CF-VNP023U7
Testing Standards	Water Resistance		IEC529 (JIS C0920) IPx5***
	Dust Resistance:		IEC529 (JIS C0920) IP6x***
	Drop Resistance:		MIL-STD 810G, 150cm***
Standard(s) for Safety:	UL 121201-Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations, CSA C22.2 No. 213-17-Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations		

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