

Panasonic recommends Windows 10 Pro



TOUGHBOOK CF-33MK1

NEXT GENERATION FULLY RUGGED 12-INCH 2-IN-1 MOBILE PC

WINDOWS 10 PRO FULLY RUGGED DETACHABLE WITH 12" OUTDOOR QHD DISPLAY

Panasonic brings its 20 year heritage to the new CF-33 Fully Rugged 2-in-1 convertible device. Developed for Australia's challenging conditions, and featuring unique Australian Band 28 4G capabilities, the CF-33 is purpose built to deliver state of the art performance against stressors ranging from heat to cold, dust to water, humidity to vibration, and drops to shocks. Its 2-in-1 design enables users to detach the tablet and apply a wide range of usage cases and docking solutions, including CF-31 docks with special adaptors. With 10 hours battery life, and standard battery hot swap capabilities, the CF-33 is built to work where you do.

- Intel® Core™ i5-7300U vPro™ Processor
- Windows 10 Professional
- Intel HD Graphics 620
- 12-inch Daylight Readable QHD (2160x1440) display with Anti-Reflective design
- IP65 dust and water resistant*
- Withstands drops from a height of 120cm*
- Capacitive 10 finger multi-touchscreen with digitiser
- Up to 10 hours battery life and 20 hours with optional large battery (Mobile Mark2014)
- User exchangeable battery
- Hot swap function
- Flexible Configurations including USB2.0, R-USB, Serial, BCR, SCR, NFC and FPR
- Optional 4G LTE with AU Band 28 support, Cat 6 antenna, 12 channel GPS & Dual Pass Through
- Flexible Configurations including USB2.0, R-USB, Serial, BCR, SCR, NFC and FPR

* Tested at Panasonic factory.



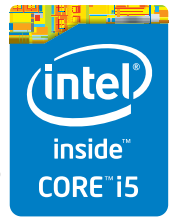
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TOUGHBOOK CF-33MK1

TWO PARTS - ONE STORY. FOR FIELD PROFESSIONALS WHO FACE THE TOUGHEST CHALLENGES



The CF-33 delivers an extraordinary 38% weight saving and 26% smaller footprint vs the industry's iconic CF-31 Fully Rugged device. Built on Intel's latest Kaby Lake architecture it features state of the art performance, with full MID-STD-810G and IP65 certifications for deployment to even the harshest operating environments. Featuring a 3 year warranty, or optional 4 or 5 year support, the CF-33 delivers you radically lower field failure rates, 15% lower TCO per annum* and up to 45 minutes per worker, per day in added productivity**.

*VDC Corporation, 2015. ** Ergon Energy Australian Case Study 2014.



Mobile Computing Platform	Intel® Core™ i5-7300U vPro™ Processor 2.6GHz up to 3.5GHz with Intel® Turbo Boost, 3MB Cache	
Operating System	Windows 10 Pro	
RAM	8GB DDR3L SDRAM	
Graphic Chip	Intel® HD Graphics 620 (Built-in CPU)	
Web Camera (optional)*	2MP (1920x1080), 30fps (video) with IR for Windows Hello	
Storage	256GB Solid State Drive (Serial ATA)	
Display	12" QHD (2160x1440) display with daylight readability, Glove touch, Rain touch and Anti-Reflection capabilities 10 finger capacitive multi-touchscreen with digitiser	
Bluetooth®	Version 4.1 Class 1	
WLAN Intel®	Intel® Dual Band Wireless-AC 8265	
Mobile Broadband	Optional 4G LTE with Australian Band 28 support, Cat 6 antenna, integrated 12 channel GPS & Dual Pass Through	
Dedicated GPS	Optional u-blox NEO-M8N with GPS/GLONASS/SBAS Support	
LAN	IEEE 802.3 10Base-T / IEEE 802.3u 100BASE-TX / IEEE 802.3ab 1000BASE-T	
Sound	Intel® High Definition Audio subsystem support. Stereo speakers	
Interface	Detachable Tablet : USB 3.0 x1 / HDMI x1 / Headset x1 / Nano SIM x1 / Dual Pass-Through Antenna x1 Keyboard Base: USB 3.0 x2, USB 2.0 x1 / Serial x1 / Dual Pass-Through Antenna x1 / VGA Port x1 / HDMI x1	
Configuration Port	Optional Smart Card Reader x1 Optional Contactless Smart Card Reader x1 Optional True Serial x1 / Barcode Reader x1 / 2nd USB 2.0 x1	
Power	AC adapter: Input: 100V - 240V AC, 50 Hz/60 Hz, Output: 15.6V DC, 7.05A Battery pack(s), Li-ion 11.1V, 1990mAh x2 with Hot Swap Support as standard Operating Time: 10 Hours or 20 Hours with optional large batteries (MobileMark 2014)	
Security Features	TPM (TCG V2.0 compliant) replaces V1.2	
Physical Dimensions	313mm (W) x 288.4mm (H) x 46.1mm (D) (Tablet + Keyboard Base) 308mm (W) x 243.6mm (H) x 21.6mm (D) (Tablet only)	
Weight	2.54Kg (Tablet + Keyboard Base) 1.36Kg (Tablet only)	
Operating Temperature	-10° - 50° C	
Accessories	Desktop Port Replicator: CF-VEB331U Battery Pack: CF-VZSU1AW (standard), CF-VZSU1BW (large) 4 Bay Battery Charger: CF-VCB331U	
Ruggedness	IP65 dust and water resistant**	Gravity drop resistance test: 120cm**
	MIL-STD-810G certified (120cm drop, shock, vibration, rain, dust, sand, altitude, freeze/thaw, high/low temperature, temperature shock, humidity)***	

*Option combinations are varied. Please consult with your local rep for further info.

**Tested by national independent third party lab.

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Dealer Details: