Panasonic recommends Windows 10 Pro

TOUGHBOOK **CF-33**MK1

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 Pro
- 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

* Tested at Panasonic factory.

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TOUGHPAD CF-33MK1
TWO PARTS - ONE STORY. FOR FIELD PROFESSIONALS WHO FACE THE TOUGHEST CHALLENGES

The CF-33 delivers an extraordinary 26% weight saving and is 37% thinner 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	2MP (1920x1080), 30fps (video) with IR for Windows Hello. Optional 8MP Rear Camera.
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	2.761Kg (Tablet + Keyboard Base)
	1.527Kg (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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