Panasonic recommends Windows 8.1 Pro

TOUGHBOOK **CF-31**MK5

HIGH PERFORMANCE FULLY RUGGED MOBILE PC

Panasonic's Windows 8.1 Pro® CF-31 Toughbook offers the highest performance in its class along with the world's most rugged design. With drop shock protection and a MIL-STD-810G and IP65 certification, it's the undisputed leader in the fully rugged category. Its 5th generation Intel® Core™ i5 processor packs a punch to deliver desktop-class performance and amazing battery life, with up to 27 hours continuous usage with optional media bay 2nd battery, and also incorporates a 13.1-inch 1200 nit touchscreen with Panasonic CircuLumin™ technology.

- Intel® Core™ i5-5300U vPro™ Processor
- Windows 8.1 Professional
- Intel HD 5500 Graphics
- 13.1-inch XGA (1024 x 768) 1200 nit sunlight-viewable Touchscreen LED Display
- IP65 dust and water resistant*
- Withstands drops from a height of 180cm*
- MIL-STD 810-G Vibration and Shock Resistant
- Robust magnesium alloy casing with integrated carrying handle and shock-protected HDD
- Battery life up to 18 hours, or up to 27 hours with 2nd battery (mobile mark 2007)
- LAN, Firewire, PC Card slot, Express card slot, SDXC card slot, USB 3.0 x1, USB 2.0 x3, serial, HDMI and VGA
- Optional integrated 4G/LTE and dedicated GPS
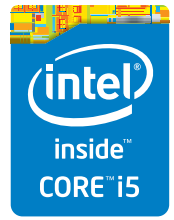- Built-in security chip (TPM v1.2) for data protection

* Carried out in Panasonic technical research lab. Test conducted in non-operating condition.

TOUGHBOOK

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TOUGHPAD **CF-31**MK5
FULLY RUGGED MOBILE PC

With unrivalled durability and world class heritage, the CF-31 is one of the most rugged and reliable notebook PCs in the field. The rugged ratings for Fully Rugged Toughbook will change the way you view mobile PCs. Drop, shock, moisture, dust, temperature, pressure and vibration resistant technology has been incorporated to exceed MIL-STD-810G and IP65 standards. With world leading wireless connectivity, the CF-31 is perfect for mobile field workers where failure is not an option.

Mobile Computing Platform	Intel® Core™ i5-5300U vPro™ Processor 2.3GHz with Intel® Turbo Boost up to 2.9GHz, 3MB Cache
Operating System	Windows 8.1 Pro 64-bit*
RAM	4GB DDR3L SDRAM (max 8GB + 8GB)
Web Camera (optional)*	HD 720p 30fps with digital mic
Storage	500 GB SATA HDD, 5400rpm
Display	13.1" XGA 1024 x 768 Touchscreen Display
	Up to 1200cd/m² brightness
Bluetooth®	Version 4.0 + EDR Class 1
WLAN	Intel® Dual Band Wireless-AC 7265 IEEE 802.11 a/b/g/n/ac
4G/LTE Mobile Broadband (optional)**	Optional Sierra Wireless EM7305
Sound	WAVE and MIDI playback, Intel ® High Definition Audio subsystem support

Interface Standard		
	LAN (RJ45 1000M/100M/10Mbps)	Serial (D-sub, 9-pin)
	PC Card Slot	HDMI
	Express Card Slot	VGA (Mini D-sub, 15-pin)
	SDXC Memory Card Slot	Headphone Output (3.5mm)
	Docking connector (dedicated 80-pin)	Microphone Input (3.5mm)
	USB 3.0: x1, USB 2.0 x3	

Interface Options**		
	2nd Bay Battery (CF-VZSU1431U) or DVD Multi Drive (CF-VDM312U)	GPS (CF-WGP315) - WAAS/GLONASS Support
	Dual Pass Through (CF-WEW31005)	Emissive Backlit Keyboard (CF-WKB3138M)
	Rubber Backlit Keyboard (CF-WKB3118M)	Web Camera (CF-WCM314)
	2nd LAN (CF-WLN315)	Smart Card Reader (CF-WSC315)
	Fingerprint Reader (CF-WFP315)	Firewire (IEEE 1394a)

Power	
	Standard Battery: Li-Ion 10.65V, 8550Ah (typical) - CF-VZSU46AU
	Operating Time: Up to 18 hours , or 27 hours with optional 2nd bay battery
	Charging Time: 3.5 hours, or 7 hours with standard and optional 2nd bay battery

Security Features	TPM (Trusted Platform Module, TCG V1.2 compliant), Integrated Kensington cable security lock slot.
Physical Dimensions	302mm (W) x 292mm (H) x 73.5mm (D)
Weight	Approx 3.72kg
Operating Temperature	-10° - 50° C

Accessories		
	AC Adapter: CF-AA5713AM	DVD Multi Drive: CF-VDM312U
	Standard Battery: CF-VZSU46AU	13.1" Screen Protective Film: CF-VPF15U
	2nd Bay Battery: CF-VZSU1431U	Touchscreen Stylus: CF-VNP009U
	Battery Charger: CF-VCBTB2W	Tether: CF-VNT002U
	Desktop Port Replicator: CF-VEB311U	RAM (Trustin 4GB DDR3L): CF-WMBA1304G
	Car Mounter: CF-WEB301W	RAM (Trustin 8GB DDR3L): CF-WMBA 1308G

Ruggedness		
	IP65 dust and water resistant***	Gravity drop resistance test: 180cm***
	Shock mounted HDD with floating connectors	Magnesium Alloy Chassis
	MIL-STD-810G certified (180cm drop, shock, vibration, rain, dust, sand, altitude, freeze/thaw, high/low temperature, temperature shock, humidity)***	MIL-STD-461F certified***

Dealer Details:

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www.toughbook.com.au

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