

## Panasonic recommends Windows 10 Pro



## TOUGHBOOK CF-54MK3

## SEMI-RUGGED HIGH PERFORMANCE PC

Panasonic has redefined the design of semi-rugged notebooks with the launch of its Toughbook CF-54Mk3. Created for a wide range of workers in areas such as the automotive diagnostic industry and field service workers specialising in repairs and maintenance, the new Toughbook CF-54Mk3 with Windows 10 Pro is one of the thinnest and lightest semi-rugged notebooks in its class. However, it doesn't compromise on durability, with a unique 'honeycomb' design for improved strength, MIL-STD 810G and a spill resistant keyboard and touchpad. In terms of flexibility, the Toughbook CF-54Mk3 is equally outstanding, offering a huge array of configuration options, making it effortless for customers to choose the exact device spec they need.



- Intel® Core™ i5-7300U vPro™ Processor. 3Mb cache, up to 3.5Ghz.
- Windows 10 Professional
- 14-inch IPS Full HD (1920 x 1080) LCD
- Optional 1000 nit sunlight viewable and glove enabled touchscreen
- Ergonomic design including integrated pull out handle for easy carriage
- Withstands drops from a height of 76cm\*
- Spill resistant keyboard and touchpad\*\*
- Robust magnesium alloy casing with shock-protected HDD
- 10 hours battery life ( Standard battery) or 17 with optional 2nd battery (MobileMark 2014)
- LAN, SDXC card slot, USB 3.0 x3, Serial port and HDMI
- Optional configuration area (DVD or second battery or Smartcard Reader or PC Card)
- Optional configuration port (2nd LAN or dedicated 72 Channel GPS or 4th USB 2.0 or Rugged USB)
- Built-in security chip (TPM v2.0) for data protection

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

\*\* Spill resistance applies to all of the keyboard. It does not apply to the side panel, battery section, speakers, and DVD drive when it is open. The spill-resistant performance of the product does not guarantee that it will be free from damage or malfunction. If water is spilled onto it, be sure to have it repaired.

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**TOUGHBOOK CF-54MK3**

SEMI-RUGGED REDEFINED



Breaking the mould for semi-rugged notebooks, the Toughbook CF-54Mk3 is only around 30mm thick and weighs just under 2kg. Equipped with Windows 10 Pro and the new 7th generation Intel® Core™ i5 vPro™ processor which delivers faster computing power, better graphics performance and lower power consumption, the Toughbook CF-54Mk3 sets a new benchmark.



Mobile Computing Platform	Intel® Core™ i5-7300U vPro™ Processor 3 MB cache, 2.6 GHz up to 3.5 GHz with Intel® Turbo Boost Technology	
Operating System	Windows 10 Pro 64-bit	
RAM	8Gb DDR4 Memory (Max 16Gb + 16Gb)	
Graphics Chip	Intel® HD Graphics 620 (with optional AMD Discrete graphics, TBC)	
Web Camera	(Optional VGA + 8Mp webcam configuration)	
Storage	500 GB SATA HDD, 5400rpm	
Display	14" IPS Full HD Display 1920 x 1080 TFT Display Up to 220cd/m <sup>2</sup> brightness (Performance model), 1000 cd/m <sup>2</sup> brightness (Touchscreen model)	
Optical Drive*	Optional DVD Multi Drive (SATA)	
Bluetooth®	Version 4.1 + EDR Class 1	
WLAN	IEEE WiFi 802.11 a/b/g/n/ac (Intel Dual Band Wireless-AC 8265)	
4G/LTE Mobile Broadband (optional)*	EM7430 with 12 channel GPS and Australian Band 28 support	
Sound	Built-in Stereo Speakers with Intel HD Audio	
Interface Standard	LAN (RJ45 1000M/100M/10Mbps)	SDXC Memory Card Slot
	Headphone Output	Microphone Input
	USB 3.0: x3	Docking Connector (dedicated 100-pin)
	HDMI	
Interface Options*	Configuration area: DVD (CF-WDM542) or second battery (CF-VZSU0KW) or Smartcard Reader (CF-WSC542) or PC card (CF-WPC541)	
	Configuration port: 2nd LAN (CF-WLN541) or dedicated GPS (CF-WGP541) or 4th USB 2.0 (CF-WUB541) or Rugged USB (CF-WUB541RG)	
	Optional dual antenna pass through (CF-WEW541) (standard with 4G)	Optional hot swappable battery
	Optional Fingerprint Reader (CF-WFP541)	Optional NFC (CF-WNF541)
Power	Standard Battery: Li-Ion 6 cell - CF-VZSU0PW	
	Second Battery: Li-Ion 6 cell - CF-VZSU0KW	
	Operating Time: Up to 10 hours battery life (Standard) or 17 (with optional 2nd battery) (MobileMark 2014) Charging Time: 2.5 hours	
Security Features	TPM (Trusted Platform Module, TCG V2.0 compliant), Integrated Kensington cable security lock slot, Optional SmartCard reader	
Physical Dimensions	272mm (W) x 345mm (H) x 30mm (D)	
Weight	Approx 1.99kg	
Operating Environment	Temperature: -10°C to 50°C or storage to -20°C to 60°C.	
	Humidity: 30% to 80% RH (no condensation) or storage to 30°C to 90°C	
Accessories	AC Adapter: CF-AA5713AM	
	Port Replicator: CF-VEB541 - USB 3.0 x2, USB 2.0 x2, Serial, LAN, VGA, HDMI, Kensington Lock	
	Battery Charger: CF-VCBTB3W	14" Screen Protective Film: CF-VPF25U
	Stylus: FZ-VNPM11U	Tether: CF-VNT002U
Ruggedness	Gravity drop resistance test: 76cm**	Spill Resistant Keyboard
	Shock mounted HDD with floating connectors	Magnesium Alloy Chassis
	MIL-STD-810G certified (76cm drop, shock, vibration, rain, dust, sand, altitude, high/low temperature, temperature shock, humidity)**	

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

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