

Panasonic recommends Windows 8.1 Pro



TOUGHBOOK CF-54MK1

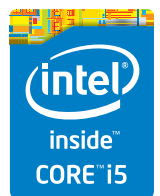
SEMI-RUGGED HIGH PERFORMANCE PC

Panasonic has redefined the design of semi-rugged notebooks with the launch of its Toughbook CF-54. 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-54 with Windows 8.1 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-54 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™ i5-5300U vPro™ Processor
- Windows 8.1 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
- Battery life up to 11 hours or up to 18 hours with optional second battery (mobile mark 2007)
- LAN, PC Card slot, Express card slot, SDXC card slot, USB 3.0 x3, Serial port, HDMI and VGA
- Optional configuration area (DVD or second battery or Smartcard Reader or PC Card)
- Optional configuration port (2nd LAN or dedicated GPS or 4th USB 2.0 or Rugged USB)
- Built-in security chip (TPM v1.2) 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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SEMI-RUGGED REDEFINED



Breaking the mould for semi-rugged notebooks, the Toughbook CF-54 is only around 30mm thick and weighs just under 2kg. Equipped with Windows 8.1 Pro and the new 5th generation Intel® Core™ i5 vPro™ processor which delivers faster computing power, better graphics performance and lower power consumption than its 4th-generation counterpart, the Toughbook CF-54 sets a new benchmark.



Mobile Computing Platform	Intel® Core™ i5-5300U Processor 2.3GHz with Intel® Turbo Boost up to 2.9GHz, 3MB Cache	
Operating System	Windows 8.1 Pro 64-bit*	
RAM	8GB DDR3L SDRAM (max 8GB + 8GB)	
Graphics Chip	Intel® HD Graphics 5500 built-in chipset (optional AMD FirePro™ M5100**)	
Web Camera	2MP with stereo microphone	
Storage	500 GB SATA HDD, 5400rpm	
Display	14" IPS Full HD Display 1920 x 1080 TFT Display Up to 220cd/m ² brightness (Performance model), 1000 cd/m ² brightness (Touchscreen model)	
Optical Drive**	Optional DVD Multi Drive (SATA)	
Bluetooth®	Version 4.0 + EDR Class 1	
WLAN	IEEE WiFi 802.11 a/b/g/n (Intel Dual Band Wireless N 7260)	
4G/LTE Mobile Broadband (optional)**	Optional Sierra Wireless EM7305	
Sound	Built-in Stereo Speakers	
Interface Standard	LAN (RJ45 1000M/100M/10Mbps)	VGA
	PC Card /Express Card/SDXC Memory Card Slot	Headphone Output
	USB 3.0: x3	Microphone Input
	Serial (RS-232)	Docking Connector (dedicated 100-pin)
	HDMI	
Interface Options*	Configuration area: DVD (CF-WDM541) 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)	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 11 hours or 18 hours (with optional second battery)	
	Charging Time: 2.5 hours	
Security Features	TPM (Trusted Platform Module, TCG V1.2 compliant), Integrated Kensington cable security lock slot, Optional SmartCard reader	
Physical Dimensions	272mm (W) x 345mm (H) x 30mm (D)	
Weight	Approx 1.9kg (Performance), 2.1kg (Touchscreen)	
Operating Temperature	-10° - 50° 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-VCBTB2W	
	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)***	

*Windows 7 Drivers available

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

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