



TOUGHBOOK CF-54 HD

14" SEMI-RUGGED WINDOWS 8.1 PRO NOTEBOOK WITH HD DISPLAY

Toughbook CF-54 with Windows 8.1 Pro, magnesium chassis, user replaceable battery and user replaceable storage is the thinnest and lightest 14" semi-rugged Toughbook ever built, but doesn't compromise on durability, with a unique 'honeycomb' design for improved strength and spill resistant keyboard & touchpad area.

In terms of flexibility, the Toughbook CF-54 is equally outstanding. It offers a huge array of configuration options, making it easier for customers to have exactly the device they want.

- Intel® Core™ i5-5300U vPro™ Processor
- Windows 8.1 Pro
- 14" HD (1366 x 768 pixels) Active Matrix (TFT) LCD
- Lightweight and slim design (approx. 1.99 kg and 29.8mm)
- 4GB RAM (max. 16GB) and 256GB SSD (Optional 500GB HDD / 128GB SSD)
- 3x USB 3.0, 1x HDMI, 1x LAN and SD card slot as standard
- Flexible configuration area* (DVD or 2nd battery or Smartcard reader or PC card)
- Flexible configuration port** (2nd LAN or d-GPS or 4th USB 2.0 or rugged USB)
- Long battery life of up to 11 hours, with hot swap* and second battery* (up to 18 hours)
- True serial port**, VGA** and 4G LTE*
- Operating temperature of -10 °C to +50 °C (HDD/SSD heater as standard)
- Robust honeycomb-style magnesium casing with carry handle
- Withstands drops from a height of 76cm***
- Shock and vibration protected for vehicle docking
- 3-year standard warranty

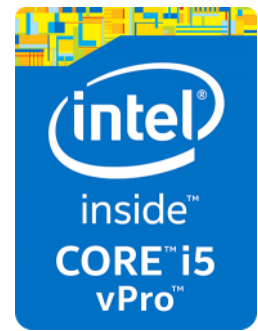
*Optional
** Optional and requires extended bottom cover
***Tested at Panasonic laboratory



MOBILE BUSINESS EXCELLENCE

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 graphic 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 vPro™ processor (2.3GHz, 3MB Intel® Smart Cache) | |
| Operating System | Windows 8.1 Pro Windows® 7 Professional Downgrade | |
| RAM | 4GB DDR3 SDRAM (max. 16GB) | |
| Graphic Chip | Intel® HD 5500 Graphics | |
| Storage | 256GB SSD Optional: 500GB HDD / 128GB SSD | |
| LCD | 14" Active Matrix (TFT) colour LCD 1366 x 768 pixels (HD) | |
| Bluetooth™ | 4.0 + EDR Class 1 | |
| Wireless LAN | Intel® Dual Band Wireless-AC 7265; slide on/off switch | |
| LAN | IEEE 802.3 10Base-T / IEEE 802.3u 100BASE-TX / IEEE 802.3ab 1000BASE-T (2nd LAN optional) | |
| Sound | WAVE and MIDI playback, Intel® High Definition Audio subsystem support | |
| Security | TPM (TCG V1.2 compliant) Password security (supervisor password, user password, hard disc lock) Integrated hardware security lock slot | |
| Webcam (Hardware option) | 2MP with digital microphone | |
| Card Slots | SD/SDXC Memory Card: | x1 |
| | RAM Module: | x2, DDR3L SDRAM, one slot occupied |
| Configuration area* | x1 (DVD drive or PC card slot (Type I or II) or 2nd battery (6 cell, 32Wh) or Smart Card Reader) | |
| Interfaces | USB 3.0 | x3, 9-pin |
| | HDMI: | x1, Type A |
| | LAN: | x1, RJ-45 (2nd LAN optional) |
| | Headphones: | x1, Mini-jack, 3.5 DIA, stereo |
| | DC In: | Jack |
| | Port Replicator: | x1, 24-pin |
| | VGA port**: | x1, Mini Dsub, 15-pin |
| | True Serial port**: | x1, Dsub, 9-pin |
| | Configuration port**: | x1 (2nd LAN or Rugged USB 2.0 or dedicated GPS (u-blox) or 4th USB 2.0) |
| Input Devices | 88 Keys / Touch Pad | |
| Power | AC Adapter: | Input: 100V ~ 240V, 50Hz/60Hz; Output: 15.6V, 7.05A |
| | Battery: | Lithium-Ion (6 cell, 46Wh) |
| | Battery Life: | Approx. 11h (Mobile Mark™ 2007, 60cd/m²), Approx. 18h with 2nd battery (6cell, 32Wh)* |
| | Power Management: | Hot swap*, Standby function, ACPI BIOS |
| Dimensions (WxHxD) | 345mm x 272mm x 29.8mm / 13.6" x 10.7" x 1.17" | |
| Weight | Approx. 1.99 kg / 4.39 lb | |
| Integrated Options | Contactless Smart Card Reader or Fingerprint Reader, Smart Card Reader, 4G Mobile Broadband (LTE, up to 100Mbps), dedicated GPS (u-blox), Bridge battery for hot swap, Dual Pass through Antenna | |
| Accessories | AC Adapter: | CF-AA5713A |
| | Battery Pack (Main battery, 6cell 46Wh): | CF-VZSU0PW |
| | Battery pack (2nd battery*, 6cell 32Wh): | CF-VZSU0KW |
| | Battery Charger: | CF-VCBTB3W |
| | Car Charger: | CF-LND1224A (120W) |
| | Port-Replicator: | CF-VEB541U |
| | Display Protection Film | CF-VPF29U |
| | 4GB DIMM (PC3L-12800: DDR3): | CF-WMBA1304G |
| | 8GB DIMM (PC3L-12800: DDR3) | CF-WMBA1308G |
| | Carrying Solutions: | Please visit www.toughbook.eu |

*Optional
** Optional and requires extended bottom cover (approx. 10mm thick)

As an ENERGY STAR® Partner, Panasonic Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency. Active Matrix colour display conforms to industry standards. Some displays may contain isolated illuminated or dark pixels as an artefact of the manufacturing process (effective pixels: minimum 99.998%). RAM capacity calculated as follows: 1MB = 1,048,576 bytes. HDD capacity calculated as follows: 1GB = 1,000,000,000 bytes. Toughbook is a brand name and registered trademark of Panasonic Corporation. Acrobat® is a registered trademark of Adobe® Systems Incorporated. Intel, the Intel logo, Intel Core, Intel vPro, Core Inside and vPro Inside are trademarks of Intel Corporation in the U.S. and other countries. Microsoft® and Windows® are registered trademarks of Microsoft® Corporation of the United States and/or other countries. All other brand names shown are the registered trademarks of the relevant companies. All rights reserved. All working conditions, times and figures quoted are optimum or ideal levels and may differ as a result of individual and local circumstances.