



TOUGHBOOK CF-54 MID MODEL

14" FULL HD SEMI-RUGGED WINDOWS 10 PRO NOTEBOOK

Toughbook CF-54 with Windows 10 Pro, Full HD, 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™ i5-7300U vPro™ Processor
- Windows 10 Pro
- 14" IPS Full HD (1920 x 1080 pixels) Active Matrix (TFT) LCD
- Lightweight and slim design (approx. 1.9kg and 29.8mm)
- 4 GB RAM (max. 32GB) and 256 GB SSD (128GB SSD is optional)
- 3x USB 3.0, 1x HDMI, 1x LAN and SD card slot as standard
- Configuration area (DVD as standard or 2nd battery* or Smartcard reader* or PC card*)
- True serial port, VGA and 4G LTE*
- Long battery life of up to 10 hours, with hot swap* and second battery* (up to 17 hours)
- Flexible configuration port* (2nd LAN or d-GPS or 4th USB 2.0 or rugged USB)
- Operating temperature of -20 °C to +60 °C** (HDD/SSD heater as standard)
- Robust honeycomb-style magnesium casing with carry handle
- Withstands drops from a height of 90cm**
- Shock and vibration protected for vehicle docking



TOUGHBOOK



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 10 Pro and the new 7th-generation Intel® Core™ i5 vPro™ Processor which delivers faster computing power, the Toughbook CF-54 sets a new benchmark.



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|---------------------------|--|--|
| Mobile Computing Platform | Intel® Core™ i5-7300U vPro™ processor (2.6GHz, 3MB Intel® Smart Cache) | |
| Operating System | Windows 10 Pro | |
| RAM | 4 GB DDR4 SDRAM (max. 32 GB) | |
| Graphic Chip | Intel® HD Graphics 620 | |
| Storage | 256GB SSD Optional: 128GB SSD | |
| LCD | 14" IPS Active Matrix (TFT) colour LCD 1920 x 1080 pixels (Full HD) | |
| Bluetooth™ | 4.1 + EDR Class 1 | |
| Wireless LAN | Intel® Dual Band Wireless-AC 8265; 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 V2.0 compliant) Password security (supervisor password, user password, hard disc lock) Integrated hardware security lock slot | |
| Webcam* | 2MP with digital microphone | |
| Card Slots | SD/SDXC Memory Card: | x1 |
| | RAM Module: | x2, DDR4L SDRAM, one slot occupied |
| Configuration area | DVD drive as standard (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) |
| Power | AC Adapter: | Input: 100V – 240V, 50Hz/60Hz; Output: 15.6V, 7.05A |
| | Battery: | Lithium-Ion (6 cell, 46Wh) |
| | Battery Life: | Approx. 10 hours (Mobile Mark™ 2014), Approx. 17 hours 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. 1.9 kg / 4.19 lb | |
| Project based 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 | |
| Standard Configuration | CF-54mk3 (Full HD without Touchscreen), 4GB RAM, 256GB SSD, DVD, VGA and Serial port | |
| Included in the box | AC adapter, Power Cord, Display cleaning cloth and User Manual | |
| Accessories | AC Adapter: | CF-AA5713A |
| | Battery Pack (Main battery, 6cell 46Wh): | CF-VZSU0PW |
| | Battery Charger: | CF-VCBTB3W |
| | Port-Replicator: | CF-VEB541U |

CF-54mk3: 23.05.2017

*Optional **Tested by an independent third party lab following MIL-STD-810G and IEC 60529, Sections 13.4, 13.6.2, 14.2.5 and 14.3

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.

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