

# Panasonic TOUGHBOOK CF-53

The new CF-53 is the ideal desktop replacement for when you are on the move or in the office. As a Toughbook, it incorporates a range of "ruggedised" features to protect its components from vibrations and drops. The display sits on impact resistant dampers and is mounted in a durable magnesium alloy case. The hard disc is embedded in shock-absorbing foam and is connected to the motherboard by flexible cabling. The splash resistant keyboard and touchpad helps to stop water or any other liquid from entering the casing and causing internal damage, while rubber port covers protect the external connections.



The CF-53 has a bright 14" widescreen TFT LCD in 16:9 format with WXGA. This screen is comparable to desktop computer screens. With the latest Intel Core i5 Processor technology and up to 8GB RAM the CF-53 is a capable performer. This coupled with a weight of less than 3kg and an integrated carrying handle provide maximum working flexibility. Two Diversity WLAN antennas ensure optimal reception at all times, and state of the art energy saving components with the CF53's durable battery enable a running time of up to 10 hours.

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## Key Features

- Intel® Core™ i5 2520M vPro with Intel® HD 3000 graphics
- Genuine Windows® 7 Professional
- 14" HD Active Matrix (TFT) colour LCD
- Robust magnesium alloy display case
- Shock-protected HDD
- Integrated DVD Multi Drive
- USB 3.0 and serial port
- Battery life up to 10 hours (Mobile Mark™ 2007, 60cd/m<sup>2</sup>)
- 2nd LAN, Firewire or Modem optional
- Low temperature HDD option
- High capacity "road warrior" Battery option
- Withstands drops from a height of 76cm\*



Rugged Systems is one of Europe's leading suppliers of rugged, mobile computer, display and communications solutions and services. Specialising in applications such as test & measurement, command and control, data acquisition, secure data & computing, TEMPEST and ultra-reliable message transfer over noisy tactical communication channels. The company strives to be innovative and provide cost effective solutions, through many years of knowledge and experience

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## Specifications



### FUNCTIONAL

<b>Processor</b>	Intel® Core™ i5 Processor Technology - Intel® Core™ i5-2520M vPro™ processor (2.5GHz, 3MB Intel® Smart Cache) - Intel® 6 series Express chipset QM67 - Intel® Centrino® Advanced-N 6205 AGN WLAN
<b>Operating Systems</b>	Genuine Windows® 7 Professional or Genuine Windows Vista® Business Service Pack 1 or Genuine Windows® XP Professional Service Pack 2 with Advanced Security Technologies (NTFS File System)
<b>RAM</b>	4GB DDR3 SDRAM (max. 8GB)
<b>Graphic Chip</b>	Intel® HD Graphics 3000, UMA (Windows® 7 64bit max. 1696MB, 32bit max. 1428MB)
<b>HDD</b>	320GB SATA (shock resistant; withstands a 76cm* drop)
<b>Optical Drive</b>	DVD Multi Drive (DVD-R/RW & CD-R/RW)
<b>LCD</b>	14inch Active Matrix (TFT) colour LCD 1366 x 768 pixels (HD)
<b>LCD Cabinet</b>	Magnesium alloy
<b>Bluetooth</b>	Version 2.1 +EDR
<b>WLAN</b>	IEEE 802.11 a/b/g/n (max 54Mbps)
<b>LAN</b>	IEEE 802.3 10Base-T / IEEE 802.3u 100BASE-TX / IEEE 802.3ab 1000BASE-T (2nd LAN Project based)
<b>Modem</b>	Data: 56kpbs (V.92): 14.4kpbs
<b>Sound</b>	WAVE and MIDI playback, Intel® High Definition Audio subsystem support
<b>Input Devices</b>	Touchpad and 88-key keyboard (both splash resistant)
<b>Indicators</b>	11 LED's (2x Power, Battery, HDD, Multimedia Pocket, NumLK, CapsLK, ScrLK, SD, WWAN, Wireless ready)
<b>I/O Ports</b>	Serial (16550A) D-sub 9-pin External display (VGA port): Mini D-sub, 15-pin External display (HDMI): 1x Headphone: Mini-jack, 3.5DIA, stereo Microphone: Mini-jack, 3.5DIA stereo DC In: Jack USB 2.0: 4x 4-Pin USB 3.0: 1x 4-Pin Firewire (IEEE1394) 1x 4-Pin Modem: RJ11 jack LAN: RJ45 jack Port Replicator 100-Pin
<b>Expansion Slots</b>	PC Card**: ExpressCard**: SD/SDHC Memory Card: Optional RAM Module:
<b>Power</b>	AC Adapter: Input:100V-240V, 50Hz/60Hz: Output:15.6V, 7.05A Battery: Lithium-Ion (10.8V, Typical 6750 mAh / Minimum 6300 mAh) Battery Life: Approx. 10h (Mobile Mark™ 2007, LCD brightness: 60cd/m²) Charging Time: Approx. 4.0 (Power on) Standby function: ACPI BIOS
<b>Power Management Software</b>	e.g. Adobe® Reader, WinDVD™ (OEM Version), B's Recorder GOLD9 BASIC, B's CLiP 7, PC Diagnostic Utility
<b>Security Features</b>	TPM (Trusted Platform Module – TCG V1.2 compliant) Password security (supervisor password, user password, hard disk lock) Integrated hardware security lock slot
<b>Dimension</b>	341mm x 48-55mm x 281mm/13.6" x 1.9 - 2.2" x 11.2" (including carrying handle)
<b>Weight</b>	Approx. 2.65 kg /5.84 lb (including carrying handle)
<b>Integrated Options</b>	Fingerprint Reader, Smart Card Reader, 3G Mobile Broadband (HSPA+, up to 21Mbps)
<b>Accessories</b>	AC Adaptor: CF-AA5713A Battery charger: CF-VCB2B2W Battery pack: CF-VZSU71U ("road warrior" 9 cell, 73Wh) CF-VZSU46AU ("road warrior" 9 cell, 92Wh) Port replicator: CF-VEB531U **Config. A: 2x PC Card Type I or II, no ExpressCard Config B: 1xPC Card Type I or II + 1x Expresscard

*Information in this document is subject to change without notice.*



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