

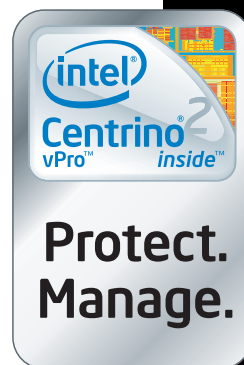
Panasonic recommends  
Windows Vista® Business.

**Panasonic**  
ideas for life



## CF-F8 THE BUSINESS-RUGGEDISED TOUGHBOOK FOR ULTIMATE MOBILITY

- Intel® Centrino® 2 with vPro™ technology
- Genuine Windows Vista® Business or Genuine Windows® XP Professional
- 14.1" Widescreen LCD (WXGA)
- 2GB RAM and 250GB HDD
- Integrated DVD Multi Drive
- Perfect Wireless Connectivity (optional: UMTS/HSPA with Gobi-Chip)
- Magnesium Alloy Case
- Drop- and Spill-resistant
- Long-lasting 6-hour Battery Life
- Ultra-portable 1660g



**eco  
ideas**

Top Level Material Efficiency

Very low product weight of 1.6kg  
through highest material efficiency

**TOUGHBOOK**

[www.toughbook.eu](http://www.toughbook.eu)

# MOBILE BUSINESS EXCELLENCE

For professional users who require optimum mobility, reliability and connectivity.

## 14.1" WIDESCREEN LCD AND OPTICAL DISC DRIVE THE BUSINESS-RUGGEDISED TOUGHBOOK CF-F8



**Protect.  
Manage.**



Mobile Computing Platform	Intel® Centrino® 2 with vPro™ technology – Intel® Core™ 2 Duo processor SP9400 (2.40GHz, 6MB L2 cache, 1066MHz FSB) – Mobile Intel® GS45 Express Chipset – Intel® Wireless WiFi link 5100 AGN Network Connection (supporting 802.11a/b/g, n draft 2.0 compliant)
OS	Genuine Windows Vista® Business Service Pack 1 (including XP Downgrade License) or Genuine Windows® XP Professional (Downgrade Service with Vista® License)
RAM	2GB (DDR2-533 SDRAM, max. 4GB)
Graphic Chip	Intel® GS45 graphics controller, UMA (Win XP: max. 1024MB; Win Vista: max. 1551MB with additional 2GB memory)
HDD	250GB (SATA, shock resistant and easy accessible)
Optical Disc Drive	DVD Multi Drive
LCD	14.1" anti-glare Active Matrix (TFT) colour LCD (flexibly mounted) 1280 x 800 pixel (WXGA), 16 million colours
LCD Cabinet	Magnesium alloy (withstands pressure of up to 100kgf)
Bluetooth™	Version 2.0 + EDR; slide on/off switch
WLAN	IEEE 802.11a/b/g, n draft 2.0 compliant (max. 54Mbps); slide on/off switch
LAN	IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T
Modem	Data: 56kbps (V.92), FAX: 14.4kbps
Sound	24bit stereo, conforms to Intel® High Definition Audio Stereo speakers
Input Devices	Touchpad and keyboard (both water resistant - 200ml)
Indicators	9 LEDs (Power, ECO, Battery, HDD, Caps Lock, Scroll Lock, Num Lock, SD card, Disc)
Interfaces	External display (VGA port): Mini D-sub, 15-pin Headphone: Mini-jack, 3.5 DIA, stereo Microphone: Mini-jack, 3.5 DIA, stereo DC In: Jack USB 2.0: 3x 4-pin Modem: RJ-11 LAN: RJ-45 Mini Port Replicator: 78-pin
Expansion Slots	PC Card: 1x Type I or Type II (3.3V: 400mA, 5V: 400mA) SD/SDHC Memory Card: 1x RAM Module: 1x DDR2 200-pin SO-DIMM (1.8V / PC2-5300 / DDR2 SDRAM)
Power	Power Consumption: Approx. 35W/max. 80W (maximum when recharging) AC Adaptor Input: 100-240V AC, 50Hz/60Hz; Output: 16V DC, 5.0A Battery: Li-ion (10.8V, 5.8Ah) Battery life: Approx. 6h (Mobile Mark™ 2007, 60cd/m², Vista® Model, Economy Mode (ECO) disabled) Charging time: Power off: approx. 5h; power on: approx. 6.5h
Power Management	Suspend/Resume Function, Hibernation, Standby, ACPI BIOS, Economy mode
Software	Microsoft® Internet Explorer / DirectX / Microsoft® Windows® Media Player / Microsoft® Windows® Movie Maker / Microsoft® .NET Framework / Adobe Reader / Loupe Utility / Touch Pad Utility / PC Information Viewer / PC Information Popup / WinDVD™ 8 (OEM Version) / Roxio Creator LJB / Hotkey Settings / Optical Disc Drive Letter-Setting Utility / Panasonic Power Plan Extension Utility / Wireless Switch Utility / Wireless Connection Disable Utility / Bluetooth Stack for Windows by TOSHIBA / Battery Recalibration Utility / Infineon TPM Professional Package V3.5 SP1 / Setup Utility / Hard Disk Data Erase Utility / PC-Diagnostic Utility
Security Features	TPM (Trusted Platform Module, TCG V1.2 compliant) Password security (supervisor password, user password, hard disk lock) Integrated hardware security lock slot Optional Fingerprint Scanner available at future date (eliminates Bluetooth™)
Dimensions (WxHxD)	326mm x 25.5/48.5mm* x 251mm / 12.8" x 1.0/1.9"* x 9.9" (excluding protrusions; *front/back)
Weight	1660g / 3.66lb (standard model including battery)
Integrated Options	3G Mobile Broadband (HSPA, 7.2Mbps), Fingerprint Scanner available at future date (eliminates Bluetooth™)
Accessories	AC adaptor: CF-AA6503AE, CF-AA6503AG, CF-AA6503AT Battery pack: CF-VZSU56U Mini Port Replicator: CF-VEBU08U (4x USB 2.0, 1x display port, 1x LAN, 1x DC-In)

Specification and configuration may vary depending on country. Accessories may vary depending on your notebook configuration. Consult a Panasonic sales office near you for more details and availability of integrated options. All specifications are subject to change without notice.

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.

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