

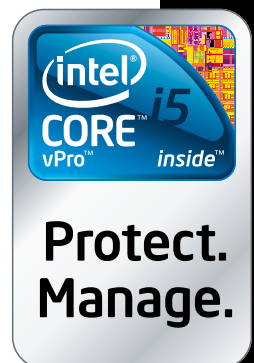
Windows®. Life without Walls™.  
Panasonic recommends Windows 7.

**Panasonic**  
ideas for life



## CF-F9 THE BUSINESS-RUGGEDISED TOUGHBOOK FOR ULTIMATE MOBILITY

- Intel® Core™ i5 with vPro™ technology
- Genuine Windows®7 Professional  
Downgrade option to Genuine Windows® XP  
Professional Service Pack3
- 14.1" Widescreen LCD (WXGA+)
- 2GB RAM and 320GB 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

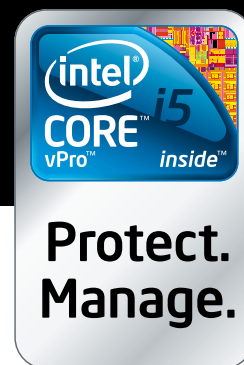
**TOUGHBOOK**

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

**PRELIMINARY**

# 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-F9



Mobile Computing Platform	Intel® Core™ i5 with vPro™ technology – Intel® Core™ i5-520M vPro™ processor (2.4 Ghz, Intel® Smart Cache 3 MB) – Mobile Intel® QM57 Express Chipset – Intel® Centrino® Advanced-N 6200 AGN WLAN	
OS	Genuine Windows®7 Professional Downgrade option to Genuine Windows® XP Professional Service Pack3	
RAM	2 GB, DDR3 SDRAM (4 GB Max.)	
Graphic Chip	Intel® HD Media, UMA (Windows 7 max. 763MB, Windows XP max. 1024MB)	
HDD	320GB (SATA, shock resistant and easy accessible)	
Optical Disc Drive	DVD Multi Drive	
LCD	14.1" anti-glare Active Matrix (TFT) colour LCD (flexibly mounted) 1440 x 900 pixel (WXGA+), 16 million colours	
LCD Cabinet	Magnesium alloy (designed to withstand a uniformly distributed load of up to 100kgf on the lid)	
Bluetooth™	Version 2.0 + EDR; slide on/off switch	
WLAN	Intel® Centrino® Advanced-N 6200 (IEEE802.11a/b/g/n); slide on/off switch	
LAN	1000BASE-T / 100BASE-TX / 10BASE-T	
Modem	Data : 56 kbps V.92; FAX : 14.4 kbps / voice not compatible	
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 DDR3 204 Pins SO-DIMM (1.5 V/PC3-6400/DDR3 SDRAM)
Power	Power Consumption:	Approx. 48 W / max. 80W (maximum when no-recharging in the ON state)
	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, Windows 7 Model, Economy Mode (ECO) disabled)
	Charging time:	Power off: approx. 3.5h; power on: approx. 6.5h
Power Management	Suspend/Resume Function, Hibernation, Standby, ACPI BIOS, Economy mode	
Software	Microsoft® Internet Explorer 8.0 / DirectX 11 / Microsoft® Windows® Media Player 12 / Microsoft® Windows® Movie Maker 6.0 / Microsoft® .NET Framework 3.5.1 / Adobe Reader / Loupe Utility / Wheel 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 / Intel® PROset/ Wireless Software/ Infineon TPM Professional Package V3.6	
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)
	Desktop Docking Station	CF-VEBF81W (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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