

TOUGHBOOK

CF-W7_{Mk3}

Business Rugged Series



Main Features

Genuine Windows Vista® Business

RUGGEDISED

Shock tested 76cm drop in operation.*2

Magnesium alloy casing withstands 100Kg force.*1

Spill proof keyboard.

Float mounted LCD panel.

LIGHTWEIGHT

Weighing only 1280g*3 with a 12.1" XGA LCD and integrated DVD Multi Drive.

LONG BATTERY LIFE

Runs for up to 7 hours*4 on standard battery power.

WIRELESS

Integrated wireless LAN (IEEE802.11a/b/g).
Bluetooth™ as standard.

Various Integrated Options
3G, Smart Card Reader

Panasonic recommends Windows Vista® Business

Lightweight Business Rugged Mobile Notebook



ISO 14001

We implement environment management systems in our factories worldwide and have acquired ISO14001 certification.

ECO

Lead-free solder used for PCB component mounting.

Super Multi Drive

The cover opens upward, making it possible to insert and remove discs without requiring much space.



WITHSTANDS **100kg FORCE**

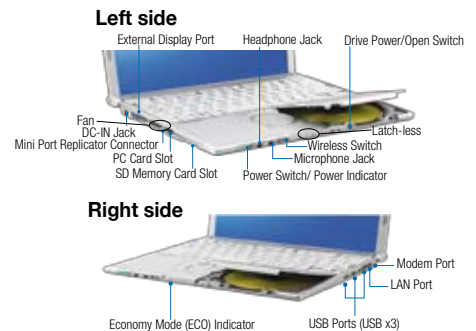
Economy Mode (ECO)*5

By switching to Economy Mode, you can extend the battery's durability lifetime by 50%*5

Wireless Switch

You can easily switch the wireless function on or off to save power.

Interfaces



Toughbook W7 shown with mini port replicator



USB connector (USB2.0x4)
DC-IN
LAN connector
External display connector



*1 Carried out in a Panasonic laboratory in operation mode. Vibration with pressure of 980 N (100 kgf) is applied uniformly over the top and bottom faces.

*2 The TOUGHBOOK shock- and pressure-resistance data given here does not imply any guarantee against damage or malfunction.

*3 Average weight. The actual weight of each product may vary slightly.

*4 The Economy Mode (ECO) was disabled during measurement. The period of battery operation time varies according to the operating environment, LCD brightness, and system settings.

Measured using BatteryMark™ Ver.4.0.1* (LCD brightness Minimum).

*5 The battery drive time with Economy Mode (ECO) enabled is about 80% that with ECO Mode disabled.

CF-W7Mk3		CF-W7DWBYZJM
Operating System		Genuine Windows Vista® Business (XP Downgrade DVD in box)
CPU		Intel® Centrino® Core 2 Duo Processor U7600 (1.20 GHz, 2 MB ¹ L2 cache, 533 MHz FSB)
Chipset		Intel® GM965
Memory¹		1GB (2 GB Max.) DDR2 SDRAM
Video Memory^{1,2}		UMA (251 MB Max.)
Hard Disk Drive³		120 GB SATA
Display Method		12.1 XGA type (TFT)
Wireless LAN		Intel Wireless WiFi Link 4965 ABG (802.11 a/b/g)
Bluetooth		Version 2.0+EDR
LAN		IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T (10/100/1000)
Modem		Data: 56 kbps (V.92) FAX: 14.4 kbps
Sound		WAVE and MIDI playback, Monaural speaker, Intel® High Definition Audio subsystem support
Security Chip		TPM (TCG V1.2 compliant) ⁴
Card Slot	PC Card HCSD Memory Card Smart Card	Type I or Type II x 1 (3.3 V: 400 mA, 5 V: 400 mA) x 1, Data transfer rate = 8 MB per second ⁵ x 1 Optional
RAM Module Slot		200 pin, 1.8 V, SO-DIMM, DDR2 SDRAM, PC2-4200 Compliant
Interface		USB Ports × 3 (USB2.0 × 3) ⁶ / Modem Port (RJ-11) / LAN Port (RJ-45) ⁷ External Display Port: Mini Dsub 15-pin female / Microphone Jack: ⁸ Miniature jack, 3.5 DIA / Headphone Jack: Miniature jack, 3.5 DIA / Mini Port Replicator connector: Dedicated 50-pin male Jack (Miniature jack, 3.5 DIA, Impedance 32 Ω, Output Power 4 mW × 2)
Keyboard / Pointing Device		83 keys / Touch Pad
Power Supply		AC adaptor, DC adaptor or Battery pack
AC Adaptor		200-pin, 16v DC, 3.75A
Battery Pack		Li-ion 10.8 V, 5.8 Ah
	Operating Time ⁹	Approx. 7 hours (Economy Mode (ECO) - Disabled) ¹⁰ Approx. 7 hours at BIOS default setting ¹¹
	Charging Time ⁹ (Power on)	Approx. 5 hours
Rated Power Consumption		Approx. 30W
Physical Dimensions (W × H × D)		272 mm × 214.3mm × 24.9 (front) - 45.3mm (end)
Weight		Approx. 1.28 kg
Operating Environment		Temperature: 5 °C to 35 °C Humidity: 30% to 80% RH (No condensation)
Storage Environment		Temperature: -20 °C to 60 °C Humidity: 30% to 90% RH (No condensation)
Utility Programs		Microsoft® Internet Explorer 7.0 / DirectX 10 / Microsoft® Windows® Media Player 11 / Microsoft® Windows® Movie Maker 6.0 / Microsoft® .NET Framework 3.0 / Adobe Reader / Loupe Utility / Touch Pad Utility / DMI Viewer / PC Information Viewer / PC Information Popup / WinDVD™ 8 (OEM Version) / B's Recorder GOLD9 BASIC / B's CLIP 7 ¹² / Hotkey Settings / Optical Disc Drive Letter-Setting Utility / Optical Disc Drive Power-Saving Utility / Power Saving Utility / Fan Control Utility / LAN Power Saving Utility / Intel® Matrix Storage Manager / Wireless Switch Utility / Wireless Connection Disable Utility ¹³ / Bluetooth Stack for Windows by TOSHIBA ¹⁴ / Economy Mode (ECO) Setting Utility / Battery Recalibration Utility / Infineon TPM Professional Package V3.0 SP2HF2 ¹³ Setup Utility / Hard Disk Data Erase Utility ¹⁵ / PC-Diagnostic Utility ¹⁶

*1 1 GB = 1,000 MB

*2 A segment of the main memory is allotted automatically depending on the computer's operating status. The size of the Video Memory cannot be set by the user.

*3 1 GB = 1,000,000,000 bytes. Your operating system or some application software will report as fewer GB.

*4 For information on TPM, click [start] - [Run] and input "c:\util\drivers\tpm\README.pdf", and refer to the Installation Manual of "Trusted Platform Module (TPM)".

*5 Operation has been tested and confirmed using Panasonic SD Memory Cards with a capacity of up to 32 GB.

The transfer rate using the SD Memory Card slot on this computer is 8 MB per second. (This is a theoretical value, and differs from actual speeds.)

The transfer rate is 8 MB per second even if you use an SD Memory Card that supports high-speed transfer rates.

Operation on other SD equipment is not guaranteed.

This computer is not compatible with Multi Media Cards. Do not insert these kinds of cards

*6 Does not guarantee operation of all USB-compatible peripherals

*7 Some devices cannot be used depending on the port type

*8 Use a condenser-stereo microphone.

*9 Varies depending on the usage conditions.

*10 Measured using Battery Mark Version 4.0.1

*11 Measured using Mobile Mark 2008 (LCD Brightness: 60 cd/m²)

*12 Must be installed before use.

*13 Must be installed before use.

*14 Only for model with Bluetooth.

*15 The Product Recovery DVD-ROM is required.

*16 For startup methods, refer to "Hardware Diagnostics"

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