

Panasonic®

CF-72 Business Notebook PC

TOUGHBOOK[™] 72

*High Performance, Stylish Design,
More Expandability*

- Mobile Pentium® III Processor 850 MHz featuring Intel® SpeedStep™ technology
- 30 GB HDD
- 128 MB SDRAM
- 13.3" Bright TFT LCD
- Multimedia Pocket™



Photo shows wide-range wireless model.

The ToughBook Has Evolved... With More Communication Power Than Ever Before

The new Panasonic CF-72 adds extra communication power and versatility to the rugged design of the popular ToughBook™. Equipped with the advanced Mobile Pentium® III 850-MHz Processor featuring Intel® SpeedStep™ technology, the CF-72 gives you an outstanding performance whether you're in the office, in the field, or at home. This tough, handy tool makes it easy to send and receive data, and it supports communication systems ranging from wireless LAN to wide-range wireless systems. And, of course, Panasonic's acclaimed ToughBook™ design means that the CF-72 protects your valuable data from impact and water damage. When you need a truly dependable tool, get tough with the CF-72.



Photo shows wide-range wireless model.

Handles All Your Communication Needs — From Modems to Wide-Range Wireless Systems

Easy Data Communications

Wide-Range Wireless (Optional)*

The CF-72 lets you download data from your main computer or connect to a server — all without leaving the job site. You get the information you need quickly and easily, and there's no need to connect a cellular phone or hunt down a public pay phone.

Sophisticated Information Management

Wireless LAN (Optional)*

The optional wireless LAN connection lets you use the CF-72 to share data with other PCs or connect to a server from anywhere in the office. Quick and easy to use, the LAN connection helps you and your colleagues make best use of your time and information.

* The wireless LAN connection software and terminal are necessary.

Wired Modem/LAN

The wired modem and LAN jacks come standard. Use it together with the Port Replicator (CF-VEB481), and you get fast, easy networking without having to connect a cable to the CF-72 itself.

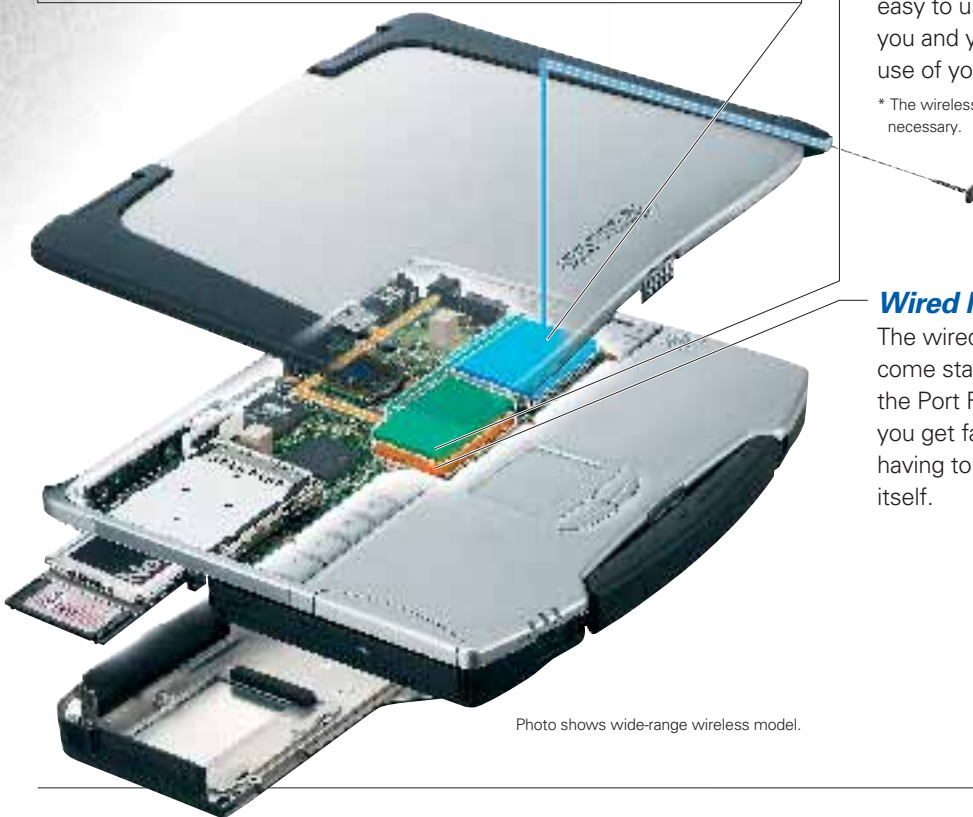


Photo shows wide-range wireless model.

Versatile. Expandable. Hot-Swapping Multimedia Pocket™

Designed to serve as the ideal mobile PC, the CF-72 is equipped with slots for a variety of optional packs that meet virtually every application need. "Hot-swapping"* assures fast operation by letting you switch packs with the power on.

* Windows 98 and Windows 2000 only.

CD-ROM Drive
(CF-VCD711)

SuperDisk Drive
(CF-VFS711/712)

DVD-ROM Drive
(CF-VDD721)

CD-R/RW Drive
(CF-VCW721)

Second Battery Pack
(CF-VZSU14)

Used together, the main battery and second battery pack* give you six hours** of operating time, the kind of running power you need for extended use outside the office.

* Requires a Second Battery Pack Adaptor (CF-VAB721).

** Varies depending on conditions.



Panasonic PCs use genuine Microsoft® Windows®.
www.microsoft.com/piracy/howtotell

TOUGHBOOK

The Durable Construction You Expect from the ToughBook™ Series

Reduced downtime and lower total cost of ownership

On the road and in the office, computers may be dropped, bumped and subjected to spills and other abuse. The CF-72 is built tough. The total cost of ownership (TCO) to your business is low because maintenance and replacement costs are minimized.

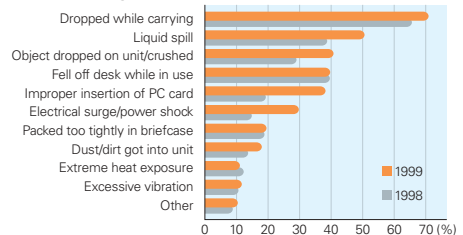
TCO: A Key Factor in Choosing Your Next Notebook

In a study of 350 companies using notebook PCs, an IDC (International Data Corporation) survey showed:

- Damage rates reported as high as 34%
- The total cost of a company using 1,000 notebooks is more than \$100,000 from damaged notebooks.
- Average damage cost of \$1,400 per incident (Source: International Data Corporation, ©1999)

Notebook PCs are prone to dropping, bumping and other accidents (see graph). Topping the list of damaged components are expensive LCD display screens and hard disk drives holding valuable data. As businesses increasingly switch to notebooks for critical tasks, this double punch of parts replacement and data loss must be factored into the total cost of ownership. In other words, reduced TCO depends on rugged notebook construction.

Causes of Damage (percentage of respondents mentioning case)



Source: International Data Corporation, ©1999

Panasonic ToughBook Series Means Reduced TCO!

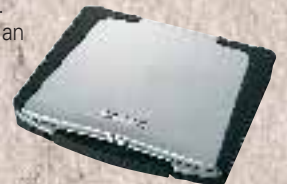


Photo shows wide-range wireless model.

Magnesium Alloy Cabinet

Super-tough, shock-resistant magnesium alloy is used both for the LCD top cabinet and for the inner chassis. It provides outstanding protection for the expensive LCD screen and other sensitive parts. Cabinet edges are covered with an elastomer material to protect against scratches.

* Magnesium alloy has 20 times the tensile yield strength of plastic.



Water-Resistant Keyboard and Touch Pad

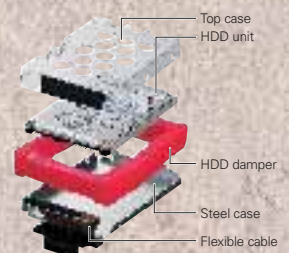
The CF-72's water-resistant keyboard and touch pad help prevent water or any other liquid from seeping into the casing and effecting the internal components.* The pressure-sensitive touch pad allows you to operate even with wet hands. Together, these features mean that common office accidents such as spills and wet hands no longer spell disaster — a big TCO savings.

* All spills should be wiped up quickly.



Vibration-Damped HDD

Panasonic has developed a new vibration-resistant material to isolate and protect the hard disk drive from vibration and impact. Combined with the magnesium alloy cabinet, the CF-72 can withstand the shock of a drop from 30 cm. The flexible cable connection is also more vibration resistant than conventional pin connections.



The High Performance and Ease of Use You Need in the Field

At the heart of the CF-72 is a high-performance Mobile Pentium® III Processor. The powerful CF-72 also features a 3-D Accelerator for beautiful graphics with quick response, a high-capacity hard disk drive, and other outstanding features. This rugged performer lets you take to the field with the same high-level PC environment enjoyed in the office.

Mobile Pentium® III Processor 850MHz featuring Intel® SpeedStep™ technology

- Intel® 440BX chipset
- 30 GB hard disk drive (Ultra ATA)
- 128 MB SDRAM expandable up to 384 MB
- 256 KB On-die L2 cache
- Modem 56 kbps V.90 compliant
- LAN 100 BASE-TX/10 BASE-T

13.3" TFT Active Matrix Bright Color LCD

Advanced LCD technology provides crisp legible text and bright colorful images. It's protected by the rugged outside cabinet for increased protection and reliability.

- 1,024 x 768 dot pixels
 - 16 M colors
- (A 16 M color display is achieved by using the dithering function.)
- 8 MB VRAM

Four Built-in Speakers

The CF-72 packs a pair of 36-mm and 20-mm speaker units into both left and right

sides. Together, the four speakers provide all the sound output you need for presentations and conference use. Sound quality is outstanding, too, voices are easy to understand, and high-frequency sounds are clearer.

Extended 6-Hour Operation



The CF-72 gives you 6-hour operation when the main battery is used in tandem with the optional Second Battery Pack (CF-VZSU14W)*.

* Requires a Second Battery Pack Adaptor (CF-VAB721).

Easy-Access Battery and HDD



Simply remove the bottom plate to access the battery. The hard disk drive sits right under the battery and lifts out easily. Both battery and disk drive can be replaced quickly and easily. For added security, attach a Kensington Theft Prevention Chain to the

lock slot on the right side of the cabinet. This keeps the bottom plate locked shut, preventing anyone from removing your hard drive.

Hard Disk Lock

Setting this lock to "enable" prevents anybody from reading or writing your data by taking and installing the hard disk into another computer. It's protected even if the hard disk is stolen.

* Note that this Hard Disk Lock does not guarantee complete protection of data.

Stylish Handle

For easier handling in the field, the carrying handle is integrated into the CF-72's body. When it's not in use, the handle folds neatly into the body, flush with the body surface.

USB Terminals

The CF-72 is equipped with two USB terminals for easy connection to peripheral equipment.

PC Card Slots with CardBus

Accepts two Type II cards or one Type III card (PC Card Standard compliant).

* 32-bit high-speed cards can be used.

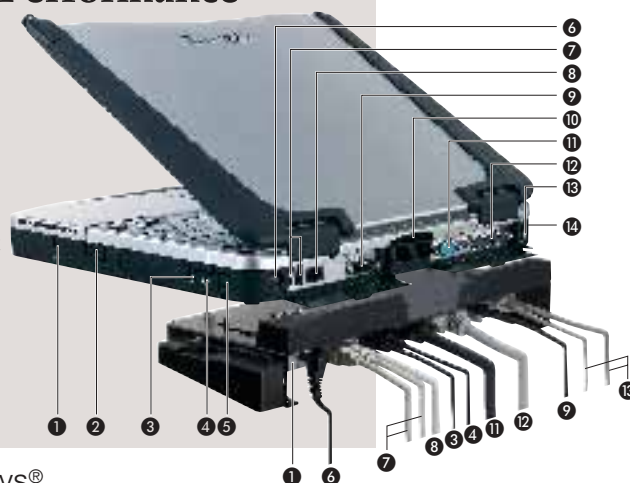
More Possibilities for Expanded Performance

Port Replicator (CF-VEB481)

When you get back to the office, there's no need to reconnect printer or other cables. The CF-72's "hot docking" lets you get right back to work without wasting time. The improved rear panel design also keeps connectors from protruding, saving office space.

- | | |
|---|---------------------------------|
| ① Lock Slot for Kensington Theft Prevention Chain | ⑧ LAN Port |
| ② Power Switch | ⑨ Serial Port |
| ③ Headphone Jack | ⑩ Infrared Communication Port |
| ④ Microphone Jack | ⑪ External Display Port |
| ⑤ Modem Port | ⑫ Parallel Port |
| ⑥ DC In Jack | ⑬ External Keyboard/ Mouse Port |
| ⑦ USB Ports | ⑭ PC Card Slots |

Photo shows wide-range wireless model.



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www.microsoft.com/piracy/howtotell

SPECIFICATIONS CF-72

CPU	Mobile Pentium® III Processor 850 MHz featuring Intel® SpeedStep™ technology
L2 Cache	256 KB On-die L2 cache
RAM	128 MB SDRAM standard expandable to 384 MB
VRAM	8 MB
HDD	30 GB
CD-ROM Drive	24x CD-ROM Drive (Max. speed)
SuperDisk™ Drive (Depending on model configuration)	1.44 MB (Double-sided, High-density, Double track) 720 KB (Double-sided, Double-density, Double track) 120 MB (SuperDisk™)
LCD	13.3" Non-glare Active Matrix (TFT) Color with FL Backlight, 1,024 x 768 Dot Pixels 16 M colors (A 16 M color display is achieved by using the dithering function.) Software control of LCD Brightness (Fn + F1/F2)
LCD Cabinet	Magnesium alloy
Modem	Internal 56 kbps V. 90 Compliant RJ11 Jack
LAN	100 BASE-TX/10 BASE-T, RJ45 Jack
Sound	HRTF 3D positional audio support 16-bit stereo, WAVE and MIDI playback Software Control of Sound Volume (Fn + F5/F6)
Speaker	4 Speakers Built-in
Keyboard	Microsoft® Windows® 98 Operating System ready 87 keys for US (AT 101 keyboard Compatible) 88 keys for Europe (AT 102 keyboard Compatible)
Pointing Device	Touch Pad (Pressure Sensing)
Indicators	8 LEDs (Power, Battery, HDD, Multimedia Pocket, NumLK, CapsLK, ScrLK, MP Power)
Interface	Serial (16550A Compatible): Dsub 9-pin Parallel (bi-directional/ECP): Dsub 25-pin External Display: Dsub 15-pin External Mouse/Keyboard: Mini-DIN 6-pin Port Replicator: dedicated 100-pin Microphone: Mini Jack Headphone: Mini Jack (stereo) DC In: Jack Infrared Communication Port (IrDA v1.1 compliant): 4 Mbps USB: 4-pin x 2
Internal Slots	Type III x 1 or Type II x 2 PC Card slots Optional RAM Module slot x 1
Power	Battery: Li-ion 10.8 V 3.0 Ah Battery Life: 1.0-6.0 Hours (with Second Battery)* * Requires a Second Battery Pack Adaptor (CF-VAB721). Varies depending on conditions Charging Time: 3.0 Hours/OFF, 4.0 Hours/ON Varies depending on conditions
Power Management	Standby Function, Hibernation Function, ACPI BIOS

Software	Microsoft® Windows® 98 Operating System, Microsoft® Windows® 2000 Professional Service Pack1†, Microsoft® Windows NT® Workstation Version 4.0†, Setup, DMI Viewer, Adobe® Acrobat® Reader, On-Line Reference Manual, Panasonic® Hand Writing
AC Adaptor	AC 100 V-240 V 50 Hz/60 Hz, Auto Sensing/Switching DC 15.6 V 3.85 A
Security Feature	Password Security (Supervisor Password, User Password, Hard Disk Lock)
Dimensions (W x H x D)	297 mm {11.7"} x 44.5 mm {1.8"} x 265.5 mm {10.5"}**
Weight	** Including carrying handle 2.9 kg {6.4 lb.}

OPTIONS	Port Replicator	CF-VEB481
	RAM Module	144-pins, 3.3 V, SO-DIMM, SDRAM (PC100 for Pentium® III Processor)
	Battery Pack	CF-VZSU14
	Second Battery Pack Adaptor	CF-VAB721
	CD-ROM Drive Pack	CF-VCD711
	DVD-ROM Drive Pack	CF-VDD721
	CD-R/RW Drive Pack	CF-VCW721
	SuperDisk™ Drive Pack	CF-VFS711/712
	Battery Charger	CF-VCB371
	AC Adaptor	CF-AA1639A

Specification and configuration may vary depending on country.
Consult each sales office for more detail.

† For North America

- The set-up utilities for both Windows® 2000 and Windows® NT 4.0 operating systems are preinstalled on this system.
- When the system is initially started, you have the option of selecting operating system of your choice.
- Any operating system that was not selected initially will be deleted automatically.
- If you require an operating system other than which was selected initially, the required operating system will need to be purchased from a retailer at your expense.



As an ENERGY STAR® Partner, Matsushita Electric Industrial Co., Ltd. has determined that this product meets the ENERGY STAR® guidelines for energy efficiency. Active Matrix color display conforms to industry standards. Some displays may contain isolated illuminated or dark pixels as an artifact of the manufacturing process (Effective pixels: Minimum 99.998%). Multimedia Pocket and ToughBook are trademarks of Matsushita Electric Industrial Co., Ltd.
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The Personal Computer Division has received ISO 14001 certification for its environmental management system.