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 860-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.
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.

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-VDO721)**
- **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.

Photo shows wide-range wireless model.

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

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.

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.

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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.

Panasonic ToughBook Series Means Reduced TCO!
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
- Modern 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
  - (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)*.

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.

- Lock Slot for Kensington Theft Prevention Chain
- Power Switch
- Headphone Jack
- Microphone Jack
- Modern Port
- DC In Jack
- USB Ports
- LAN Port
- Serial Port
- Infrared Communication Port
- External Display Port
- Parallel Port
- External Keyboard/ Mouse Port
- PC Card Slots

Photo shows wide-range wireless model.

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www.microsoft.com/piracy/howtotell
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)
2.25 GB (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
Modern 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, WAV and MIDI playback
Software Control of Sound Volume (Fn + F5/F6)
Speaker 4 Speakers Built-in
Keyboard Microsoft® Windows® 98 Operating System ready
97 keys for US (AT 101 keyboard Compatible)
98 keys for Europe (AT 102 keyboard Compatible)
Pointing Device Touch Pad (Pressure Sensing)
Indicators 8 LEDs (Power, Battery, HDD, Multimedia Pocket, NumLock, CapsLock, ScrLock, MFPower)
Interface Serial (IrSQA 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
(iDVA v1.1 compliant): 4 Mbps
USB:
4 x USB
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 V 3.0 Ah
Battery Life: 1.0-6.0 Hours (with Second Battery)*
* Requires a Second Battery Pack Adaptor (CF-VAB721)
Options for Second Battery Pack: 2, 3, or 4
Charging Time: 3.0 Hours/Off, 4.0 Hours/ON
Varies depending on conditions
Port Replicator: 100-pin
Power Management Standby Function, Hibernation Function, ACPI BIOS
Software Microsoft® Windows® 98 Operating System,
Microsoft® Windows® 2000 Professional Service Pack 1,
AC Adapter AC 100 V–240 V 50 Hz/60 Hz, Auto Sensing/Switching
Security Feature Password Security (Supervisor Password, User Password, Hard Disk Lock)
Dimensions 297 mm (11.7") x 44.5 mm (1.8") x 265.5 mm (10.5")**
Weight 2.9 kg (6.4 lb.)

PORTABLE PERFECTION

The Personal Computer Division has received ISO 14001 certification for its environmental management system.