

## PRESS RELEASE

### **Reliable Elegance: New Panasonic Toughbooks CF-W4 and CF-T4 resist up to 100 kilo pressure**

**Thanks to extra robust magnesium casings, Panasonic's lightweight business notebooks can withstand extreme mechanical stress**

**Frankfurt am Main, 14. November 2005** – Building on the success of their elegant business notebooks CF-W2 and CF-T2, Panasonic presents the new Toughbooks CF-W4 and CF-T4. Available from December, the beautifully designed, high-quality magnesium casing on these models now boasts reduced weight combined with increased robustness: resisting up to 100 kilo pressure, in particular protecting the 12.1-inch screen, the most common weak point for mobile computers. The special resistance is also due to the screen's flexible mounting, allowing it to yield to pressure, along with an additional buffer zone integrated into the LCD frame. The motherboard also has a "floating" construction, yielding to strong pressure without causing damage.

Despite their extreme resilience, the new Toughbooks weigh only 1290 (CF-W4) and 1510 (CF-T4) grams, including battery. The minimal weight makes them ideal companions for sales people, business travellers and frequent flyers, who have to cut down baggage volume and weight but still need reliable protection for their notebook. As semi-ruggedized Toughbooks, the CF-W4 and CF-T4 can even survive falls from a height of 30 cm unharmed.

The interior of the designer notebooks has also been upgraded. An Intel Pentium M processor 753 with a faster 1.2-gigahertz clock speed guarantees fast operation. Energy-saving Ultra Low Voltage (ULV) technology and high-performance Panasonic batteries ensure a significantly increased battery life: the CF-T4 is operable for up to 12 hours without interruption, the CF-W4 up to 7.5 hours, on the basis of "Battery Mark 4.01" (minimum screen brightness). The reflection-free Active Matrix TFT colour screen is also brighter. The CF-W4's screen boasts up to 240 cd. This is not achieved by intensifying the LCD backlight – draining valuable energy – but on the basis of a "diffusing sheet" that distributes light efficiently and evenly.

Intel Centrino mobile technology, supporting all normal WLAN IEEE 802.11 a/b/g standards, enables wireless data transfer rates of up to 54 megabit/s. A brand new feature means the WLAN function can be turned on and off simply using a switch on the hardware side. Both Toughbooks feature the Sonoma-generation Centrino platform and the Alviso 915GMS chip set, designed especially for notebooks. The standard versions have a 512 MB RAM user memory – extendable up to 1024 MB – and a 40-gigabyte hard drive, which can be changed quickly and easily by unscrewing the casing.

The new models feature four times thicker cushioning material than their predecessors, surrounding the hard drive to provide an extra 50 percent shock absorption.

The reinforced PC-card slot and an additional SD-card slot, protected against breakage, can be used to connect external hard drives and read memory cards directly, for example from digital cameras. Like its predecessor, the Toughbook CF-W4 has a Combo drive, which reads both DVD-R and CD-R/W. It has been relocated from the left to the right of the appliance for enhanced handling, and is elegantly integrated into the notebook's front hand rest as an open-top drive. It can now be used in the narrowest of spaces, for example during flights, as there is no need for complicated sideways opening manoeuvres. The CF-T4 offers convincing features such as the newly designed and adjustable practical carrying strap on the base of the casing and its touchscreen function, making single-handed operation child's play. The CF-T4 can be operated using fingertips or a stylus.

The two Toughbooks are traditionally constructed without ventilators, preventing dust and dirt particles from getting inside the appliance. The processor heat is simply discharged via the casing using the "Heat Pipe System". This system makes the notebooks less susceptible to damage, and has the added benefit of guaranteeing pleasantly low-sound operation.

The Toughbooks CF-W4 and CF-T4 can be fitted with an optional Trusted Platform Module (TPM) chip. This system-linked interior security component clearly identifies and authenticates the notebook in corporate networks and enables secure data encoding, among other functions.

**The new Toughbooks, delivered with the Microsoft® Windows® XP Professional operating system, are available from December. The CF-W4 is on sale for 2,599.- EUR, the CF-T4 for 2,499.- EUR (incl. VAT).**

**For further information, go to <http://www.toughbook-europe.com>**

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Panasonic's principles are firmly rooted in the philosophy of the company's founder Konosuke Matsushita. He laid the foundation for the global corporation back in 1918, setting up the company Matsushita Electric (later Matsushita Electric Industrial Co., Ltd.) in Osaka/Japan. Today, the corporation is the leading Japanese manufacturer of high-tech electronic products in the entertainment, household and microelectronics sectors, communication technology and the industrial sector, mainly sold under the brand name Panasonic.

The Matsushita Group generated 71.9 billion dollars sales in the 2003/2004 fiscal year, and employs more than 344 000 people around the world.

The group is present in 44 countries, with 589 subsidiaries in the production, sales, finance and research sectors.

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**Product Features Sheet Panasonic Toughbook CF-W4**

CPU	1.2 GHz Intel Pentium M 753 ULV
RAM	512 MB (extendable up to max. 1024 MB)
HDD	40 gigabytes
Screen size/brightness	12.1 inch / up to 240 cd
Casing pressure resistance	Max. 100 kg
Drop resistance (in non-operating mode) from height	Up to 30 cm
Battery life	Up to 7.5 hrs.
WLAN	IEEE 802.11 a/b/g
PC-Card Slot / SD-Card Slot	Yes / yes
DVD-R/CD-R/W Combo-Drive	Yes
Touchscreen	No
Trusted Platform Module (TPM)	Optional
Weight (incl. battery)	1290 g

**Product Features Sheet Panasonic Toughbook CF-T4**

CPU	1.2 GHz Intel Pentium M 753 ULV
RAM	512 MB (extendable up to max. 1024 MB)
HDD	40 gigabytes
Screen size/brightness	12.1 inch / 220 cd
Casing pressure resistance	Max. 100 kg
Drop resistance (in non-operating mode) from height	Up to 30 cm
Battery life	Up to 12 hrs.
WLAN	IEEE 802.11 a/b/g
PC-Card Slot / SD-Card Slot	Yes / yes
DVD-R/CD-R/W Combo-Drive	No
Touchscreen	Yes
Trusted Platform Module (TPM)	Optional
Weight (incl. battery)	1510 g