

TOUGHBOOK®

Computers for the Outside World™



Toughbook CF-P1

The compact and versatile handheld

- Ultra strong magnesium alloy case
- 1.2m drop shock resistant (MIL-STD 810F)
- Water and dust resistant casing with sealed ports (IP54, MIL-STD 810F)
- 3.5" reflective Active Matrix (TFT) colour LCD with frontlight
- Integrated keyboard with backlight
- Integrated GSM/GPRS module (data/voice transfer functions)
- Compact and versatile weighing just 540g
- WLAN- and Bluetooth-option



Panasonic
ideas for life

www.panasonic-europe.com



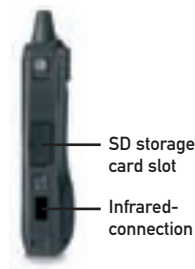
Keyboard with 38 keys



Keyboard with 10 keys



Docking station



SD storage card slot

Infrared-connection

Thanks to its durability and the mere 540g in weight, the Toughbook CF-P1 is a multifunctional handheld that can be configured according to your each and every business need. The standard integrated GSM/GPRS module, microphone and speaker allow data communication as well as voice communication.

The CF-P1 will even survive a fall out of up to 1.2m height. Its shockproof, magnesium-alloyed case with sealed port and connector covers protects your valuable information against rain, dust and vibrations. In addition, the CF-P1 remains fully functional even in the most extreme temperatures, from -29 °C to 60 °C.

The CF-P1 is extremely easy to operate, thanks to the touchscreen and keyboard data entry options. The reflective, frontlighted 3.5"-color-LCD shows all information clearly, even in direct sunlight, while the backlit keyboard allows to continue when light fades.

The SD-card slot, the infrared-communication port and the 16-pin-expansion connector for USB or serial adapters offer exceptionally multifunctional storage and data transfer options for the CF-P1. Every need for wireless data transfer can also be fulfilled with the CF-P1, thanks to standard integrated GSM/GPRS, optionally also with WLAN and Bluetooth.

Thus, the Toughbook CF-P1 is the ideal tool for mobile use – even from the most remote locations.

CPU	Intel® XScale™ PXA-263 Microprocessor (400 MHz) Companionchip: MediaQ 1188 LCD and peripheral controllers	
Cache	32 KB I-Cache, 32 KB D-Cache	
RAM/ROM	64 MB RAM/ROM	
LCD	Reflective, sunlight-readable 3.5"-Active Matrix (TFT) color-LCD with frontlight 240 x 320 pixels, 65,536 colors	
LCD Cabinet	Full magnesium alloy	
GSM/GPRS	Siemens MC45, GPRS multi-slot class 10	
Keyboard	38- or 10-key keyboard with backlight 4 programmable function keys, 4 direction cursor-control pad	
Display	Touchscreen with Stylus Pen	
Interfaces	IrDA:	IrDA 1.2, 115.2 Kbps
	Expansion slots:	16-pin (serial RS-232C or USB-function)
	DC-In:	port
	Headphones/speakers:	miniport (stereo)
Expansion slots	1 x SD card (Secure Digital Memory/Multimedia)	
Internal slots	1 x Compact-Flash card type I/II 1 x configurable RF-slot	
Power	Battery: Li-Ion (7.4 V, 2.1 Ah) Battery operation: up to 32 hrs. without frontlight; up to 10 hrs. with frontlight (varies depending on terms of service) Battery charging: approx. 3 hrs. (varies depending on terms of service) Sub-battery: rechargeable Lithium backup battery (3.0 V, 100 mA)	
AC Adapter	AC 100V ~ 240 V, 50/60 Hz, auto sensing/switching	
Operating System	Microsoft® Windows® Mobile 2003 Software for Pocket PC	
Security Features	Password security	
Measurements (WxHxD)	98 mm x 203 mm x 41 mm (GSM/GPRS standard model; without prominent elements)	
Weight	approx. 540g (GSM/GPRS standard model; no holster belt)	
Docking station	DC-In:	Port
	Expansion slots:	16-pin
Integratable options	WLAN, Bluetooth, GPS, Barcode Scanner	
Accessories	Battery pack:	CF-VZSU28
	Charger:	CF-VCBP11M/CF-VCBP12U
	AC adapter:	CF-AA1623A
	Serial Autosync cable:	CF-LUKP1C001
	RS-232C cable:	CF-LUKP1C002
	USB adapter cable:	CF-LUKP1C003
	USB Autosync cable:	CF-LUKP1C004
	Plastic cable protector:	CF-VCCP11U
	Headset and 3.5-DIA-socket-adapter:	CF-VHSP11W
	Stylus Pen:	CF-VNP003U
	Docking station:	CF-VEBP12
Testing phases	Water resistant:	IEC529 IPX4 JIS C0920, MIL-STD 810F 506.4-III
	Dust resistant:	IEC529 IP5X JIS C0920, MIL-STD 810F 510.4-I
	Shock proof:	MIL-STD 810F 516.5
	Vibration resistant:	MIL-STD 514.5 category 24
	Height resistant:	MIL-STD 810F 500.4-I/500.4-II
	Moisture resistant:	relative moisture at 95%, MIL-STD 810F 507.4
	Temperature-safe (power on):	-29 °C to 60 °C, MIL-STD 810F 501.4-II/502.4-II
	Temperature-safe (power off):	-51 °C to 71 °C, MIL-STD 810F 501.4-I/502.4-I

The specifications and configurations may vary according to country. Please contact a Panasonic retailer or representative for more information concerning other integrated options. Accessories may vary depending on your notebook configuration.



The 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%). HDD capacity is calculated as follows: 1GB = 1,000,000,000 bytes. Toughbook is a trademark of Matsushita Electric Co. Ltd. Intel is a registered trademark of Intel Corporation or its subsidiaries in the United States and other countries. Microsoft and Windows are registered trademarks of Microsoft Corporation. Other product and company names mentioned herein may be trademarks and/or service marks of their respective owners. All rights reserved.

Panasonic Computer Products Europe GmbH, Hagenauer Strasse 43, D-65203 Wiesbaden (Germany).
Panasonic is a brand name and registered trademark of Matsushita Electric Industrial Co. Ltd.
All other brand names shown are the registered trademarks of the relevant companies.
All working conditions, times and figures quoted are optimum or ideal levels and may differ as a result of individual and local circumstances.

Panasonic
ideas for life