



## TOUGHBOOK CF-D1

### THE FULLY RUGGED DIAGNOSTIC TABLET

To ensure this new Toughbook Diagnostic Tablet has the power to fulfil its industrial purpose, it uses the third-generation Intel® Core™ Platform and runs the Windows 8.1 Pro operating system. For convenient use by engineers, the device can be used in a docking cradle with a flexible angle to allow easy viewing in various usage scenarios. The device can also be held with the addition of an optional hand strap or attached to extendable legs, which allow the device to stand alone, alongside the engineer.

- Intel® Core™ i5-3340M vPro™ Processor
- Windows 8.1 Pro
- Intel® HD 4000 graphics
- 13.3" widescreen HD LED display with Touchscreen
- Triple modular bay
- Shock-protected HDD
- Drop resistant from a height of 90cm\*
- Water / Dust protected according to IP65\*
- Industry specific carrying and docking solutions
- Up to 9 hours battery Life

\* Tested at Panasonic Factory.



## MOBILE BUSINESS EXCELLENCE

This device's 13.3" widescreen HD LED display allows field engineers to easily run real-time diagnostic programmes, read telematic data and view schematics and designs. The screen has been specifically built for clarity both inside buildings and outside in bright sunlight, when field engineers are doing pre-diagnostics tests. The resistive touchscreen allows for easy data input using fingers, gloved hands or pens. All of this makes the Toughbook CF-D1 a unique tool. Unique in its ability to transform the way diagnostic engineers work, wherever that might be.



Mobile Computing Platform	Intel® Core™ i5-3340M processor (2.7GHz, 3MB Intel® Smart Cache, Intel® 7 series Express chipset QM77)	
Operating System	Windows 8.1 Pro Windows® 7 Professional Downgrade	
RAM	4GB DDR3L SDRAM (max. 8GB)	
Graphic Chip	Intel® HD 4000 graphic, UMA (Windows 8.1 64bit max. 1696MB, 32bit max 1429MB)	
Storage	500GB (SATA) HDD	
LCD	13.3" Active Matrix (TFT) colour LCD 1366 x 768 pixels (HD) with Touchscreen. Up to 400cd/m <sup>2</sup> transmissive brightness. Optional outdoor display: 1.000cd/m <sup>2</sup> transmissive brightness with circular polarizer	
Bluetooth™	4.0 + EDR Class 1	
Wireless LAN	Intel® Centrino® Advanced-N 6235 AGN IEEE 802.11 a/b/g/n compliant	
LAN	IEEE 802.3 10Base-T / IEEE 802.3u 100BASE-TX / IEEE 802.3ab 1000BASE-T (2nd LAN 100Mbit optional)	
Audio	WAVE and MIDI playback, Intel® High Definition Audio subsystem support	
Card Slots	PC Card Slot	x1, Type I or II, Allowable current 3.3 V: 400 mA, 5 V: 400 mA
	ExpressCard Slot	x1, ExpressCard /34 or /54
	SD/SDXC Memory card slot	x1
Interfaces	Serial:	Dsub, 9-pin
	VGA:	Mini D-sub, 15-pin optional* (eliminates serial)
	LAN:	RJ-45, 2nd LAN optional* (Modular Bay Port)
	USB 2.0:	x2, 3rd USB 2.0 optional* (Modular Bay Port)
	USB 3.0:	x1
	Rugged USB 2.0:	x2 optional* (Modular Bay Port / 2nd rugged USB eliminates serial)
	Headphones:	Mini-jack, 3.5 DIA, stereo
	Microphone:	Mini-jack, 3.5 DIA, stereo
	DC input:	Jack
	Industry Cradle:	x1
Power	AC Adaptor:	Input: 100-240V AC, 50Hz/60Hz, Output: 15.6V DC, 7.05A
	Battery:	Lithium-Ion (10.8V, 6.2Ah)
	Battery Life:	Approx. 9 hours (MobileMark™ 2007, 60cd/m <sup>2</sup> LCD brightness)
Security	Password security (supervisor password, user password, hard disc lock), Kensington Lock, Fingerprint Reader optional, Smartcard Reader optional	
Dimensions (WxHxD)	349mm x 46 x 244mm {13.7" x 1.8" x 9.6"}	
Weight	Approx. 2.25kg {Approx. 4.96lb}	
Integrated Options	4G Mobile Broadband (Gobi 5000), GPS, 5MP back camera with LED Flash	
Accessories	Additional AC Adaptor:	CF-AA5713AE/G/T
	Battery Pack:	CF-VZSU73U
	Battery Charger:	CF-VCBTB3W
	Stylus Pen:	CF-VNP019U
	Cradle:	CF-VEBD11U (with DVD Multi Drive) CF-VEBD11AU
	Display Protection Film:	CF-VPF22U (400cd/m <sup>2</sup> model) CF-VPF23U (1.000cd/m <sup>2</sup> model)
	Carrying Solutions:	Please visit <a href="http://www.toughbook.eu">www.toughbook.eu</a>

\*Project based. Only one interface can be selected.

As an ENERGY STAR® Partner, Panasonic Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency. 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%). RAM capacity calculated as follows: 1MB = 1,048,576 bytes. HDD capacity calculated as follows: 1GB = 1,000,000,000 bytes. Toughbook is a brand name and registered trademark of Panasonic Corporation. Acrobat® is a registered trademark of Adobe® Systems Incorporated. Intel, the Intel logo, Intel Core, Intel vPro, Core Inside and vPro Inside are trademarks of Intel Corporation in the U.S. and other countries. Microsoft® and Windows® are registered trademarks of Microsoft® Corporation of the United States and/or other countries. All other brand names shown are the registered trademarks of the relevant companies. All rights reserved. All working conditions, times and figures quoted are optimum or ideal levels and may differ as a result of individual and local circumstances. Panasonic Marketing Europe GmbH, Panasonic Computer Products Europe Headquarters, Hagenauer Straße 43, 65203 Wiesbaden (Germany).

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## BUSINESS