



# TOUGHBOOK CF-20

## TWO PARTS - ONE STORY

### WINDOWS 10 PRO FULLY RUGGED DETACHABLE WITH 10.1" OUTDOOR FULL-HD DISPLAY

The Panasonic Toughbook CF-20 delivers a new level of unrivalled versatility for mobile business computing as the first fully rugged detachable notebook. Offering the best of all worlds for mobile workers, the Toughbook can be used in 6 different modes to meet every business need. With its glove enabled touchscreen, up to 14 hour hot swappable battery life and purpose-built Vehicle Mount and Desktop Port Replicator, the Panasonic Toughbook CF-20 is an unrivalled mobile business machine.

- Intel® Core™ m5-6Y57 vPro™ processor
- Windows 10 Pro
- Intel® HD Graphics 515
- Next generation IPS outdoor display technology
- 10.1" high brightness WUXGA (1920x1200) display (up to 800cd/m<sup>2</sup>)
- Capacitive 10 finger multi-touchscreen
- Optional IP55 Digitiser
- 120 cm drop resistant (Main Unit)\*
- Water and dust resistant (IP65)\*
- up to 7 hours battery life (MobileMark™ 2007)
- up to 14 hours battery life with second battery (MobileMark™ 2007)
- User exchangeable battery
- Hot swap function
- Flexible configurations (serial, smartcard, 2D barcode reader)
- Lightweight design - weights approx. 1,76kg

\* Tested at Panasonic Factory



**TOUGHBOOK**

Panasonic recommends Windows.



## TWO PARTS - ONE STORY

### FOR FIELD PROFESSIONALS WHO FACE THE TOUGHEST CHALLENGES

This latest detachable device offers the richest set of business interfaces with additional customisable options to meet a worker's needs. It is the first fully rugged Toughbook to ship with Windows 10 Pro and the first Toughbook to be powered by 6th Generation Intel® Core™ vPro™ processor technology. Target industries for the device include insurance assessors, fleet management and car hire, field workers, maintenance and service technicians in utilities and telecommunications, as well as government agencies, defence and the emergency services.



Mobile Computing Platform	Intel® Core™ m5-6Y57 vPro™ processor 1.1 GHz up to 2.8 GHz with Intel® Turbo Boost Technology, 4MB Intel® Smart Cache	
Operating System	Windows 10 Pro Windows® 7 Professional	
RAM	8GB RAM	
Graphic Chip	Intel® HD Graphics 515	
Camera	Front:	2 MP
	Rear:	8 MP with autofocus and LED light
Storage	256 GB Solid State Drive (Serial ATA)	
LCD	10.1" sunlight-viewable WUXGA Active Matrix (TFT) IPS colour LCD (up to 800cd/m <sup>2</sup> brightness)	
Touchscreen	10 finger capacitive multi-touchscreen IP55 Digitiser optional	
Bluetooth®	Version 4.1 Class 1	
WLAN	Intel® Dual Band Wireless-AC 8260	
Mobile Broadband	Optional 4G LTE	
Dedicated GPS	Optional u-blox NEO-M8N with GPS/GLONASS/SBAS Support	
LAN	x2 1000BASE-T / 100BASE-TX / 10Base-T (Main Unit and Keyboard Base)	
Sound	WAVE and MIDI playback, Intel® High Definition Audio subsystem support, Microphone arrays (built-in)	
Interface	USB 3.0:	x3 (x2 Keyboard Base, x1 Main Unit)
	USB 2.0:	x1 (Keyboard Base)
	LAN Connector:	x2 RJ-45 (x1 Keyboard Base, x1 Main Unit)
	Serial:	x1 (Keyboard Base) x1 optional (Main Unit Configuration Port)
	HDMI:	x1 (Main Unit) x1 (Keyboard Base)
	VGA:	x1 (Keyboard Base)
	Headset:	x1 (Main Unit)
	Port Replicator Connector:	x1
	Dual External Antenna Connector:	x1 (Keyboard Base)
Configuration Port*	Serial, 2D Barcode Reader, 2nd USB 2.0	
Business expansion Module*	Smartcard Reader, NFC, Fingerprint Reader	
Expansion slots	Micro SD/SDXC Memory Card:	x1 micro SDXC (Main Unit) x1 SDXC (Keyboard Base)
Power	AC Adapter:	Input: 100V - 240V AC, 50Hz/60Hz, Output: 16 VDC, 4.06A
	Battery:	Li-Ion 11.4 V, 2600mAh
	Operating Time:	7 hours (MobileMark™ 2007) 14 hours utilising 2 batteries in Main Unit and Keyboard Base (MobileMark™ 2007)
Security Features	TPM (Trusted Platform Module, TCG V1.2 compliant), Integrated hardware security lock slot, Password security (supervisor password, user password, HDD lock)	
Physical Dimensions (W x D x H)	272 mm x 233 mm x 33.5 mm (Main Unit + Keyboard Base) 272mm x 196mm x 16.4mm (Main Unit)	
Weight	Approx. 1.76kg (Main Unit + Keyboard Base) Approx 950g (Main Unit)	
Accessories	Desktop Port Replicator	CF-VEB201U
	Vehicle Dock	CF-CDS20VMDx
	Battery Pack	CF-VZSU0Q
	4 Bay Battery Charger	CF-VCB201x
	Carrying Solution	Please visit <a href="http://www.toughbook.eu">www.toughbook.eu</a>
Testing Standards	Water resistance test:	IP-X5**
	Dust resistance test:	IP-6X**
	Gravity drop resistance test:	120 cm**
	Operating temperature:	-10°C to +50°C {14°F to 122°F}
	Storage temperature:	-20°C to +60°C {-4°F to 140°F}

\*One option exclusive possible in configuration port / business expansion module

\*\* Tested at Panasonic Factory

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.

Computer Product Solutions (CPS) BU, Panasonic System Communications Company Europe (PSCUE), Panasonic Marketing Europe GmbH, Hagenauer Straße 43, 65203 Wiesbaden (Germany).

**Panasonic**  
BUSINESS

[www.toughbook.eu](http://www.toughbook.eu)