



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 20 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™ i5-7Y57 vPro™ processor
- Windows 10 Pro
- Intel® HD Graphics 615
- Next generation IPS outdoor display technology
- 10.1" high brightness WUXGA (1920x1200) display (up to 800cd/m²)
- Capacitive 10 finger multi-touchscreen
- 120 cm drop resistant (Main Unit)*
- Water and dust resistant (IP65)*
- up to 8,5 hours battery life (MobileMark™ 2014)
- up to 18,0 hours battery life with second battery (MobileMark™ 2014)
- User exchangeable battery
- Hot swap function
- Flexible configurations (serial, smartcard, 2D barcode reader)
- Lightweight design - weights approx. 1,76kg

TOUGHBOOK



Panasonic recommends Windows®

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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 7th 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™ i5-7Y57 vPro™ processor 1.2 GHz up to 3.3 GHz with Intel® Turbo Boost Technology, 4MB Intel® Smart Cache		
Operating System	Windows 10 Pro		
RAM	8GB (Max. 16 GB Optional)		
Graphic Chip	Intel® HD Graphics 615		
Camera	Front:	2 MP Windows Hello compliant with IR sensor	
	Rear:	8 MP with autofocus and LED flash	
Storage	256 GB Solid State Drive / 512 GB SSD (Optional)		
LCD	10.1" sunlight-viewable WUXGA Active Matrix (TFT) IPS colour LCD (up to 800cd/m ² brightness)		
Touchscreen	10 finger capacitive multi-touchscreen IP55 Digitiser (optional)		
Bluetooth®	Version 4.2 Class 1		
WLAN	Intel® Dual Band Wireless-AC 8265		
Mobile Broadband	4G LTE (Optional)		
Dedicated GPS	u-blox NEO-M8N with GPS/GLONASS/SBAS Support (Optional)		
LAN	1000BASE-T / 100BASE-TX / 10Base-T		
Sound	WAVE and MIDI playback, Intel® High Definition Audio subsystem support, Microphone arrays (built-in)		
Interface	Port	Tablet Only	With Keyboard Base
	USB 3.0:	1 x 1	x 2
	USB 2.0:	x1 Optional (Main Unit Configuration Port)*	x 1
	LAN Connector:	x 1 RJ-45	x 1
	Serial:	x1 Optional (Main Unit Configuration Port) *	x 1
	HDMI:	x 1	x 1
	VGA:	NA	x 1
	Headset:	x 1	NA
	Port Replicator Connector:	x 1	x 1
	Dual External Antenna Connector:	x 1	x 1
2D Barcode Reader	x1 Optional (Main Unit Configuration Port) *	NA	
Business expansion Module (Project based)*	Smartcard Reader, NFC, Fingerprint Reader	(Main Unit Business expansion Module) *	
Expansion slots	Micro SD/SDXC Memory Card:	x 1 micro SDXC	x 1 SDXC
Power	AC Adapter:	Input: 100V - 240V AC, 50Hz/60Hz, Output: 16 VDC, 4.06A	
	Battery:	1 x Li-Ion 11.4 V, 2600mAh	1 x Li-Ion 11.4 V, 2600mAh
	Operating Time:	Tablet Only - 8.5 hours (MobileMark™ 2014)	17 hours utilising 2 batteries in Main Unit and Keyboard Base (MobileMark™ 2014)
Security Features	TPM (Trusted Platform Module, TCG V2.0 compliant), Integrated hardware security lock slot, Password security (supervisor password, user password, HDD lock)		
Physical Dimensions (W x D x H)	272mm x 196mm x 16.4mm (Main Unit)		272 mm x 233 mm x 33.5 mm (Main Unit + Keyboard Base)
Weight	Approx 950g (Main Unit) (tbd)		Approx. 1.89kg (Main Unit + Keyboard Base)
Accessories	Desktop Port Replicator	CF-VEB201U	
	Spare Power Supply	CF-AA6413Cx	
	Battery Pack	CF-VZSU00W	
	4 Bay Battery Charger	CF-VCB201x	
Testing Standards	Water resistance test:	IP-X5**	
	Dust resistance test:	IP-6X**	
	Gravity drop resistance test:	120 cm** (Main Unit + Keyboard Base), 150cm ** (Main Unit)	
	Operating temperature:	-29°C to +60°C {-20°F to 145°F}**	
	Storage temperature:	-51°C to +71°C {-60°F to 160°F} **	
Standard Configuration	Touchscreen Model:	CF-20mk2, 8GB RAM, 256GB SSD, 2x battery pack, stylus pen	
	Dual-Touch Model:	CF-20mk2, 8GB RAM, 256GB SSD, 2x battery pack, IP55 digitiser pen	
Included in Box	Power Supply, Power Cord, Tether, User Manual		

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

** Tested by an independent third party lab following MIL-STD-883C and IEC 60529, Sections 13.4, 13.6.2, 14.2.5 and 14.3

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