Panasonic recommends Windows 10 Pro.

Panasonic
BUSINESS









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 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 it's glove enabled touchscreen, up to 17 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
- Optional IP55 Digitiser (Dual-Touch Model)
- 120 cm drop resistant (Main Unit), Water and dust resistant (IP65)*
- Windows Hello compliant front camera
- Up to 8.5 hours battery life (MobileMark™ 2014)
- Up to 17 hours battery life with second battery (MobileMark™ 2014)
- User exchangeable battery
- Hot swap function
- Flexible configurations (serial, smartcard, 2D barcode reader, NFC)
- Lightweight design - weights approx. 1.89kg

* Tested by an independent third party lab following MIL-STD-810G and IEC 60529, Sections 13.4, 13.6.2, 14.2.5 and 14.3

intel CORE™ i5 vPro®

TOUGHBOOK

www.toughbook.eu

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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 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 RAM (max. 16GB)	
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 (Serial ATA)	
LCD	10.1" sunlight-viewable WUXGA Active Matrix (TFT) IPS colour LCD (up to 800cd/m² brightness)	
Touchscreen	10 finger capacitive multi-touchscreen IP55 Digitiser optional	
Bluetooth®	Version 4.1 Class 1	
WLAN	Intel® Dual Band Wireless-AC 8265	
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 (Project based)*	Serial, 2D Barcode Reader, 2nd USB 2.0	
Business expansion Module (Project based)*	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:	2x Li-Ion 11.4 V, 2600mAh
	Operating Time:	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)	272 mm x 233 mm x 33.5 mm (Main Unit + Keyboard Base)	
	272mm x 196mm x 16.4mm (Main Unit)	
Weight	Approx. 1.89kg (Main Unit + Keyboard Base)	
	Approx 950g (Main Unit) (tbd)	
Accessories	Desktop Port Replicator	CF-VEB201U
	Vehicle Dock	PCPE-GJ20V0x
	Spare Power Supply	CF-AA6413Cx
	Battery Pack	CF-VZSU0QW
	4 Bay Battery Charger	CF-VCB201x
	Carrying Solution	Please visit www.toughbook.eu
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	

CF-20mk2: 20.09.2018

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

** Tested by an independent third party lab following MIL-STD-810G and IEC 60529, Sections 13.4, 13.6.2, 14.2.5 and 14.3

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