



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™ 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/m²)
- Capacitive 10 finger multi-touchscreen
- Optional IP55 Digitiser
- 120 cm drop resistant (Main Unit)*
- Water and dust resistant (IP65)*
- up to 8 hours battery life (MobileMark™ 2014)
- up to 16 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

* Tested by an independent third party lab





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	
Memory & Storage	8GB RAM 256 GB SSD (option: 128GB/512GB)	
Display	10.1" sunlight-viewable WUXGA Active Matrix (TFT), 1920 x 1200 dots, Anti reflection, anti-glare (up to 800cd/m ² brightness) Graphic Chip: Intel® HD Graphics 515 Touchscreen: 10 finger capacitive multi-touchscreen Touch/Pen/Pen and Touch/Touch(Water)/Touch(Glove)	
Camera	Front:	2 MP
	Rear:	8 MP with autofocus and LED light
Expansion Slots	Micro SD/SDXC Memory Card:	x1 micro SDXC (Main Unit) x1 SDXC (Keyboard Base)
Optical Drive	N/A	
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)
Connectivity	Bluetooth®:	Version 4.1 + Classic mode/Low Energy mode, Class 1
	WLAN:	Intel® Dual Band Wireless-AC 8260
	4G Mobile Broadband:	Option (Wireless modem EM7305 with GPS)
Power	AC Adapter:	Input: 100V - 240V AC, 50Hz/60Hz Output: 16 VDC, 4.06A
	Battery:	Li-Ion 11.4V, 2600mAh
	Operating time:	8 hours (MobileMark™ 2014) *** 16 hours utilising 2 batteries in Main unit and Keyboard Base (MobileMark™ 2014)
Security technology	TPM (Trusted Platform Module, TCG V1.2 compliant), Integrated hardware security lock slot, Password security (supervisor password, user password, HDD lock)	
Dimensions (W x H x D)	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)	
Integration (Options)*	Selectable one from Smartcard, Contactless Smart Card, Magnetic Stripe Reader, Fingerprint Reader Selectable one from True Serial, Barcode Reader, 2nd USB 2.0 Selectable one from Wireless WAN(with GPS), GPS	
Accessories (Options)	Hand Strap	CF-VST2011U
	Protective Film	CF-VPF31U
	Digitizer Pen	CF-VNP023U
	Stylus Pen	CF-VNP022U
	Vehicle Mounter	CF-CDS20VM0x
Ruggedisation	Water resistance test:	IP-X5**
	Dust resistance test:	IP-6X**
	Gravity drop resistance test:	MIL STD 810G, 120cm on Plywood****
	Vibration resistance test:	MIL STD 810G
	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

** Tested by an independent third party lab

*** Measured at LCD brightness: 60 cd/m². Varies depending on the usage conditions or when an optional device is attached.

**** Test conducted in non-operating condition. Performance test does not guarantee against damage or malfunction

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