



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 its glove enabled touchscreen, up to 17 hours 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
- 120 cm drop resistant (Main Unit)*
- Dust and water resistant (IP65)*
- 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

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TOUGHBOOK

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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
Memory & Storage	8GB RAM (option: 16GB) 256GB SSD (option: 128GB/512GB)
Display	10.1" sunlight-viewable WUXGA Active Matrix (TFT), 1920 x 1200, Anti reflection, anti-glare (up to 800cd/m ² brightness) Graphic Chip: Intel® HD Graphics 615 Touchscreen: 10 finger capacitive multi-touchscreen (optional: IP55 Digitiser)
Camera	Front: 2 MP with IR sensor Rear: (optional: 8 MP with autofocus and LED light)
Expansion Slots	Micro SD/SDXC Memory Card: x1 micro SDXC (Main Unit), (option) x1 nano sim (Main Unit) x1 SDXC (Keyboard Base)
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 (Class 1) WLAN: Intel® Dual Band Wireless-AC 8265 WWAN: Option (4G LTE)
Power	AC Adapter: Input: 100V - 240V AC, 50Hz/60Hz Output: 16 VDC, 4.06A Battery: 1x Li-Ion 11.4V, 2600mAh Operating time: 8.5 hours (MobileMark™ 2014)*** 17 hours utilising 2 batteries in Main unit and Keyboard Base (MobileMark™ 2014)***
Security technology	TPM (Trusted Platform Module, TCG V2.0 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. 1.89kg (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 WWAN(with GPS), Dedicated GPS
Accessories (Options)	Hand Strap CF-VST2011U Protective Film CF-VPF31U Digitizer Pen CF-VNP023U Stylus Pen CF-VNP025U Port Replicator CF-VEB201U
Ruggedisation	MIL-STD-810G certified Dust & Water resistance test: IP-65** Gravity drop resistance test: 90cm (Main Unit + Keyboard Base)**, 120cm (Main Unit)** Operating temperature: -10°C to +50°C {14°F to 122°F} Storage temperature: -20°C to +60°C {-4°F to 140°F}

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CF-20mk2

* One option exclusive possible in configuration port

** 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

*** Varies depending on the usage conditions or when an optional device is attached.

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