



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 10 hours battery life (MobileMark™ 2007)
- Up to 20 hours battery life with optional second battery (MobileMark™ 2007)
- 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 following MIL-STD-810G and IEC 60529, Sections 13.4, 13.6.2, 14.2.5 and 14.3



TOUGHBOOK



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.



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|---------------------------------|---|---|
| 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 ² 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: | 10 hours (MobileMark™ 2007) 20 hours utilising 2 batteries in Main Unit and Keyboard Base (MobileMark™ 2007), 2nd battery optional |
| 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-VZSU00 |
| | 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** |
| | Operating temperature: | -29°C to +60°C {-20°F to 145°F} |
| | Storage temperature: | -51°C to +71°C {-60°F to 160°F} |

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

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Panasonic

BUSINESS

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