

Panasonic TOUGHBOOK CF-19

Weighing just over 5 lbs. and with the ability to turn itself from a conventional notebook PC into a fully portable tablet PC, the light, compact and extremely rugged CF-19 ToughBook offers fieldworkers the freedom they need to communicate.

The CF-19 is designed to protect all your valuable data from impact, moisture, water and dust. Its hard drive comes wrapped in a newly developed damper to reduce external vibrations and its ultra light, ultra strong alloy body is 20 times stronger than ABS plastic – designed using MIL-STD-810F test procedures.



There are two versions of the CF-19 available, both containing Intel® Core Duo mobile technology. One comes preloaded with Windows® XP Tablet edition, while the other offers Windows® XP Professional. The tablet edition adds new features and functionality of pen based computing; using the pen with electronic ink brings a completely new dimension to mobile computing

With Wireless LAN and Bluetooth as standard, you also have the option of 3G (HSDPA) and GPS thanks to the CF-19's integrated aeriels. Coupled with its PCMCIA and Express Card slots, the CF-19 gives you the power to work almost anywhere.

Key Features

- Intel® Core 2 Duo® with vPro™ technology
- Vibration and shock resistant
- Lightweight at around 2.3kg
- 3G Broadband optional (UMTS/HSPA with Gobi-Chip)
- Water and dust resistant (IP54, MIL-STD 810F)
- Firewire (IEEE1394a), USB 2.0 and serial port
- Battery life of up to 9 hours
- Bluetooth™ and WLAN integrated
- Extremely bright 10.4" LCD with Dual Touch or Touchscreen (up to 1000cd/m²)

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Specifications



FUNCTIONAL

Processor	Intel® Core™ 2 Duo processor SU9300 (1.2GHz, 3MB L2 cache, 800MHz FSB) Mobile Intel® GS45 Express Chipsets Intel® Wireless WiFi link 5100 AGN Network Connection (supporting 802.11a/b/g/n draft 2.0 compliant)
Memory	2GB DDR2 SDRAM (max. 4GB)
Storage	160GB HDD (SATA, easy accessible, shock resistant – withstands 90cm drop); SSD (max. 32GB – project driven)
Display	Touchscreen PC version: 10.4" 1024 x 768 (XGA) transmissive, anti-reflective, 470 Nit outdoor-readable TFT Active Matrix Colour LCD; Tablet PC version: 10.4" 1024 x 768 (XGA) transmissive, anti-reflective, 550 Nit outdoor-readable TFT Active Matrix Colour LCD with Digitizer; External video support up to 1280 x 1024 at 16 million colours (24 bit colour depth); Intel® 945GM graphic controller DVMT up to 128MB
Keyboard	82-key with dedicated Windows® key
Pointing Device	Pressure Sensing touchpad with vertical scrolling support
I/O Ports	External Video D-sub 15 Headphones/Speaker Mini-jack Stereo Microphone/Line In Mini-jack Mono Modem Integrated 56Kbps V.92 Compliant RJ11 Network Interface Card 100BASE-TX/10BASE-T RJ45 Serial Port D-sub 9 (Touchscreen PC version only) USB 2.0 (x2) 4 pin Firewire (IEEE1394a) 4 pin SD Card Slot
PCMCIA	Type I x 1 or Type II x 1 [Type II x 1 + SmartCard Reader x 1 (option)];
Audio System	SigmaTel™ STAC9751 AC-97 v.2.2 Compliant Audio Codec, supporting Intel® High Definition Audio SubSystem. Monaural speaker (integrated in display cabinet)
Integrated Communications	Integrated 56Kbps Modem, Network Interface Card 100BASE-TX/10BASE-T Intel® PRO/Wireless 3945 network connection 802.11a,b & g Bluetooth Version 2.0 + EDR
Operating System	Adobe Reader, PC Information Viewer, Loupe Utility, Intel® PROSet/Wireless Software, Bluetooth™ Stack for Windows® by TOSHIBA, Wireless Switch Utility, Hotkey Settings, Battery Recalibration Utility, Panasonic Hand Writing, Display Rotation Tool, Infineon TPM Professional Package, Power Saving Utility, Wireless Connection Disable Utility, Concealed Mode Utility, Setup Utility, Hard Disk Data Erase Utility, PC-Diagnostic Utility

ENVIRONMENTAL (MIL-STD 810)

Temperature	Operating Temperature: -25 to 60°C Storage Temperature: -50 to 70°C
Water/Dust	IP54 – Dust to 510.4 and Water to 506.4 Proc III
Vibration	Method 514.5, Proc 1, Category 24
Drop	36" drop height onto 2" of plywood, Method 516.5, Proc. IV (Transit Drop Test)
Altitude	15,000 ft

PHYSICAL

Dimensions	271mm (10.7") x 49mm (1.93") x 216mm (8.5")
Weight	2.3kg (5.07lbs)
Structure	Full magnesium alloy case; Moisture- and dust-resistant LCD, keyboard and touchpad; Sealed port and connector covers; Shock-mounted HDD; Rugged hinge

ELECTRICAL

AC Input	100 ~ 240V AC, 50Hz/60Hz; Output: 16V DC, 3.75A
Battery	Battery: Li-ion (10.65V, 5.7Ah) Battery Life (Mobile Mark™ 2007, 60cd/m²): Approx. 9 hours (Vista model), approx. 10 hours (XP model) Charging Time: Power off: approx. 4.5 hours; Power on: approx. 6.5 hours Power Consumption: Approx. 60W (maximum when recharging)

Other	Battery Pack, Battery Charger, External Combo Drive (USB), Spare AC Adapter
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