



Panasonic recommends Windows 8.



TOUGHBOOK 53

- 14" High Definition (720p) LED Display
- Sunlight-viewable Touchscreen with Panasonic CircuLumin™ Technology¹
- Oversized Touchpad with Multi Touch
- Magnesium Alloy Case with Handle
- Drop and Spill-resistant
- Optional 4G LTE Multi Carrier Mobile Broadband with Satellite GPS

Enhanced performance and versatility from the original semi-rugged laptop manufacturer.

In 1998, Panasonic created the first semi-rugged computer. Today, the Panasonic Toughbook® 53 features a 14" HD LED display, the latest Intel® Core™ processors and an oversized multi touch touchpad. Options for a sunlight-viewable Panasonic CircuLumin™ touchscreen, backlit keyboard, GPS (SiRFstarIII™), 4G LTE multi carrier mobile broadband with satellite GPS, integrated webcam and choice of insertable or contactless SmartCard reader, make this the most versatile semi-rugged PC ever.



3-FOOT
DROP RATING

MIL-STD-
810G

www.mruggedmobile.com
sales@mruggedmobile.com



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DURABILITY

- MIL-STD-810G certified (3' drop, shock, vibration, dust, altitude, high/low temperature, temperature shock, humidity)
- Spill-resistant keyboard
- Optional hard drive heater
- Magnesium alloy case with handle
- Shock-mounted flex-connect hard drive with quick-release
- Pre-installed replaceable screen film¹

SOFTWARE

- Windows® 8 Pro 64-bit [with Windows® 7 downgrade option]
- Panasonic Utilities, Recovery Partition

CPU²

- Intel® Core™ i5-3340M vPro™ Processor
 - 2.7GHz with Turbo Boost up to 3.4GHz
 - Intel Smart Cache 3MB

STORAGE & MEMORY

- 4GB or 8GB SDRAM [DDR3L-1333MHz]^{3,4}
- Shock-mounted flex-connect hard drive with quick-release
 - 500GB 7200rpm [Elite model], 320GB 5400rpm [Lite model]⁴
 - Optional hard drive heater
 - Optional 128GB, 256GB and 512GB reinforced flex-connect SSD with heaters⁴

DISPLAY

- 14.0" High Definition (720p) LED 1366 x 768
- Optional touchscreen⁵
 - Panasonic CircuLumin™ technology [2-850 nit, AR and AG screen treatments, circular polarizer]
- Anti-reflective and anti-glare screen treatments
- Video controller: Intel® QM77
 - max. 1416MB shared VRAM with 32-bit⁶
- External video support up to 1920 x 1200 at 16.7 million colors
- Concealed mode [configurable]

AUDIO

- Intel® high-definition audio compliant
- Integrated stereo speakers
- Keyboard volume and mute controls

KEYBOARD & INPUT

- Touchscreen with integrated stylus holder¹
- 87-key with dedicated Windows® key
- Oversized electrostatic touchpad with multi touch support
- Optional backlit emissive keyboard

MULTIMEDIA BAY

- DVD Super MULTI Drive

EXPANSION SLOTS

- PC card type II x 1
- SD card (SDXC)
- ExpressCard/54 x 1

INTERFACE

- Docking connector
- HDMI
- VGA
- Headphones/speaker
- Microphone/line in
- Serial
- USB 3.0 (x 2), USB 2.0 (x 2)
- Optional IEEE 1394a [FireWire]^{5,7}
- 10/100/1000 Ethernet
- Optional 10/100 2nd LAN [Ethernet]^{5,7}
- Optional 56K Modem^{5,7}
- Dedicated 100-pin Type A
- D-sub 15-pin
- Mini-jack stereo
- Mini-jack stereo
- D-sub 9-pin
- 4-pin
- 4-pin
- RJ-45
- RJ-45
- RJ-11

WIRELESS

- Optional integrated 4G LTE multi carrier mobile broadband with satellite GPS
- Optional GPS [SiRFstarIII™]
- Intel® Centrino® Advanced-N 6235 802.11a/b/g/n
- Bluetooth® v4.0 + EDR [Class 1]
- Security
 - Authentication: LEAP, WPA, 802.1x, EAP-TLS, EAP-FAST, PEAP
 - Encryption: CKIP, TKIP, 128-bit and 64-bit WEP, Hardware AES
- Optional dual high-gain antenna pass-through¹
- Slide on/off switch

POWER SUPPLY

- Battery operation⁸
 - Elite model—11 hours [long life battery]
 - Lite model—8 hours [lightweight battery]
- Battery charging time: 2 hours⁸
- Long life Li-Ion battery pack [10.8V, typical 6750mAh, minimum 6300mAh]
- Lightweight Li-Ion battery pack [10.8V, typical 4500mAh, minimum 4200mAh]
- AC Adapter: AC 100V-240V 50/60Hz, auto sensing/switching worldwide power supply

POWER MANAGEMENT

- Suspend/Resume Function, Hibernation, Standby, ACPI BIOS

SECURITY FEATURES

- Password Security: Supervisor, User, Hard Disk Lock
- Kensington cable lock slot
- Trusted platform module (TPM) security chip v.1.2
- Computrace® theft protection agent in BIOS⁹
- Intel® Anti-Theft Technology
- Optional fingerprint reader^{5,10}
- Optional insertable SmartCard reader
- Optional 13.56MHz contactless SmartCard/RFID reader^{5,10}
 - ISO 15693 and 14443 A/B compliant



WARRANTY

- 3-year limited warranty, parts and labor

DIMENSIONS & WEIGHT

- 11.1" [L] x 13.4" [W] x 1.8-2.2" [H]
- 5.6 lbs. [Lite model], 5.8 lbs. [Elite model], 6.5 lbs. [Elite model with touch]

INTEGRATED OPTIONS¹¹

- 4G LTE multi carrier mobile broadband with satellite GPS
- GPS [SiRFstarIII™]^{5,7}
- 720P webcam and digital mic⁵
- Backlit emissive keyboard
- 2nd LAN (10/100) or FireWire or RJ-11 Modem or Dual antenna pass-through^{5,7}
- Insertable SmartCard reader
- Contactless SmartCard/RFID reader^{5,10}
- Fingerprint reader^{5,10}
- Hard drive heater
- 128GB, 256GB and 512GB solid state drives [SSD] with heaters

SELECT ACCESSORIES¹¹

- AC Adapter (3-prong) CF-AA5713AM
- Long Life Battery Pack CF-VZSU71U
- Lightweight Battery Pack CF-VZSU72U
- Battery Charger CF-VCBTB2W
- LIND 3-Bay Battery Charger PACH329-1857-P
- LIND Car Adapter 120W CF-LNDDC120
- ToughMate Always-on 53 Case TBC53A0CS-P
- ToughMate ComUniversal Carrying Case [large capacity] TBCCOMUNV-P
- ToughMate Backpack TBCBPK-P
- Memory Card 4GB DDR3 CF-WMBA1204G
- Desktop Dock CF-VEB531U
- Vehicle Docks [no pass-through]
 - Gamber-Johnson with LIND power supply 7160-0393-04-P
 - Havis with LIND power supply DS-PAN-412-P
- Vehicle Docks [dual pass-through]
 - Gamber-Johnson with LIND power supply 7160-0393-06-P
 - Havis with LIND power supply DS-PAN-412-2-P
- Touchscreen Replacement Stylus CF-VNP009U
- Tether CF-VNT002U
- 14.0" LCD Protector Film CF-VPF17U

Please consult your reseller or Panasonic representative before purchasing.

¹Touchscreen model only.

²An Intel® Core™ i7 processor is also available.

³Total usable memory will be less depending upon actual system configuration.

⁴1GB = 1,000,000,000 bytes.

⁵Not available on Lite model.

⁶The size of the VRAM cannot be set by the user and varies by operating system as well as size of RAM. Windows 7 64-bit max. VRAM is 1696MB with 4GB of memory.

⁷GPS comes standard with dual pass. GPS is not available with FireWire, RJ-11 or 2nd LAN.

⁸Battery performance features such as charge time and life span can vary according to the conditions under which the computer and battery are used. Battery operation and recharge times will vary based on many factors, including screen brightness, applications, features, power management, battery conditioning and other customer preferences. Battery testing results from MobileMark 2007.

⁹Requires software and activation to enable theft protection.

¹⁰Fingerprint and contactless SmartCard are mutually exclusive.

¹¹Accessories and Integrated Options may vary depending on your notebook configuration. Visit Panasonic website for more accessories and details.

SOLUTIONS FOR BUSINESS

