

Panasonic
ideas for life



Windows®. Life without Walls™. Panasonic recommends Windows 7.

THE TOUGHBOOK 53

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

In 1998, Panasonic created the first semi-rugged computer. Now, Panasonic introduces the latest generation, the Panasonic Toughbook® 53. With a 14" HD LED display, the latest Intel® Core™ processors and an oversized multi touch touchpad, it performs like a desktop. Options for a sunlight-viewable Panasonic CircuLumin™ touchscreen, backlit keyboard, 4G LTE mobile broadband, an integrated webcam and enhanced connectivity, plus vehicle mounting capability, make this the most versatile semi-rugged PC ever.



TOUGHBOOK



THE NEW PANASONIC TOUGHBOOK 53.



DURABILITY

- MIL-STD-810G (12" drop, shock, vibration, dust, altitude, high/low temperature, temperature shock, humidity)
- Drop-resistant to 30" on 6 faces
- 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

- Genuine Windows® 7 Professional 32-bit² or Genuine Windows® 7 Professional 64-bit²
- Panasonic Utilities, Recovery Partition

CPU

- Intel® Core™ i5-2520M vPro™ Processor
 - 2.5GHz with Turbo Boost up to 3.2GHz
 - Intel Smart Cache 3MB
- Intel® Core™ i3-2310M Processor
 - 2.1GHz
 - Intel Smart Cache 3MB

STORAGE & MEMORY

- i5 models: 4GB SDRAM (DDR3-1333MHz), expandable to 8GB^{3,4}
- i3 model: 2GB SDRAM (DDR3-1333MHz), expandable to 8GB^{3,4}
- Shock-mounted flex-connect hard drive with quick-release
 - 320GB 7200rpm (i5 models), 320GB 5400rpm (i3 model)
 - Optional hard drive heater
 - Optional 128GB reinforced flex-connect SSD

DISPLAY

- 14.0" High Definition (720p) LED 1366 x 768
- Optional touchscreen (i5 model only)
 - Panasonic CircuLumin™ technology (2-800 nit, AR and AG screen treatments, circular polarizer)
- Anti-reflective and anti-glare screen treatments (AG only on i3 model)
- Video controller: Intel® QM67 (i5 models), Intel® HM67 (i3 model)
 - max. 1428MB shared VRAM⁵
- External video support up to 1920 x 1200 at 16.7 million colors
- Concealed mode

AUDIO

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

KEYBOARD & INPUT

- Touchscreen LCD with integrated stylus holder¹
- 87-key with dedicated Windows® key
- Oversized electrostatic touchpad with multi touch support

MULTIMEDIA POCKET

- DVD Super MULTI Drive with Dual Layer Support

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 (x1), USB 2.0 (x3)
 - Optional IEEE 1394a (FireWire)
 - 10/100/1000 Ethernet
 - Optional 10/100 2nd LAN Ethernet
 - Optional 56K Modem
- | |
|--------------------------|
| 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 LTE 4G mobile broadband (Summer 2011)
- Optional integrated Gobi™2000 3G mobile broadband
- Intel® Centrino® Advanced-N 6205 802.11a/b/g/n (i5 models)
- Atheros AR9285 802.11b/g/n (i3 model)
- Optional Bluetooth® v2.1 + EDR (Class 1)
- Security
 - Authentication: LEAP, WPA, 802.1x, EAP-TLS, EAP-FAST, PEAP
 - Encryption: CKIP, TKIP, 128-bit and 64-bit WEP, Hardware AE
- Optional dual high-gain antenna pass-through
- Slide on/off switch

POWER SUPPLY

- Battery operation⁶
 - i5 models—Approx. 10 hours (long life battery)
 - i3 model—Approx. 6 hours (lightweight battery)
- Long life Li-Ion battery pack (10.8V, typical 6750mAh, minimum 6300mAh)
- Lightweight Li-Ion battery pack (10.8V, typical 4500mAh, minimum 4200mAh)
- Battery charging time: 2 hours (i5 models)⁷
- AC Adapter: AC 100V-240V 50/60Hz, auto sensing/switching worldwide power supply
- Pop-up on-screen battery status reporting

POWER MANAGEMENT

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

SECURITY FEATURES

- Password Security: Supervisor, User, Hard Disk Lock
- Cable lock slot
- Trusted platform module (TPM) security chip v.1.2 (i5 models)
- Computrace® theft protection agent⁷
- Intel® Anti-Theft Technology (i5 models)
- Optional fingerprint reader
- Optional SmartCard reader

- 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
- Choice of 3G Gobi™ or 4G LTE Mobile Broadband

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. (i3 model), 5.8 lbs. (i5 model), 6.5 lbs. (touch model)

INTEGRATED OPTIONS⁸

- LTE 4G mobile broadband (Summer 2011)
- Gobi™ 3G mobile broadband (EV-DO Rev. A, HSPA)
- SmartCard reader
- Fingerprint reader
- 1.3MP webcam and digital mic
- Backlit emissive keyboard
- 2nd LAN (10/100) or FireWire or Modem or Dual antenna pass-through
- Hard drive heater
- 128GB solid state drive (SSD)

ACCESSORIES⁸

- AC Adapter (3-pin) CF-AA5713AM
- Battery Charger CF-VCBTB1W
- Long Life Battery Pack CF-VZSU71U
- Lightweight Battery Pack CF-VZSU72U
- LIND Car Adapter 120W CF-LNDDC120
- LIND Car Adapter 120W Mounting Bracket CF-LNDBRK120
- LIND Shutdown Timer CF-LNLDLPT
- InfoCase ComUniversal Carrying Case (large capacity) TBCCOMUNV-P
- InfoCase ComUniversal Roller TBCCRLR-P
- InfoCase Backpack TBCCBPK-P
- InfoCase Always-on 53 Case TBC53AOCOS-P
- Desktop Port Replicator CF-VEB531U
- Havis Docking Station
 - no pass-through DS-PAN-411
 - dual pass-through DS-PAN-411-2
- Memory Cards
 - 2GB DDR3 CF-WMBA1002G
 - 4GB DDR3 CF-WMBA1004G
- 14.0" LCD Protector Film TBD

Please consult your reseller or Panasonic representative before purchasing.

¹Touchscreen model only.

²A full set of Windows XP drivers are available at panasonic.com/toughbook/support.

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

⁴1GB = 1,000,000,000 bytes.

⁵The size of the VRAM cannot be set by the user and varies by operating system as well as size of RAM. Windows 7 max. VRAM is 1696MB with Windows 7 64-bit.

⁶Battery 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.

⁷Requires software and activation to enable theft protection.

⁸Accessories and Integrated Options may vary depending on your notebook configuration.

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