

Panasonic recommends Windows Vista® Business.

THE TOUGHBOOK 52

The only full-power desktop replacement laptop with legendary Toughbook durability.

In your world, what falls down must start up. Panasonic's semi-rugged Toughbook® 52 leads the way in reliability and performance, whether on your desk or on the road. With either a 15.4" widescreen or a 13.3" sunlight-viewable 1000 nit touchscreen, it's the ultimate business tool for group presentations and advanced technology to run multiple applications without a hitch. Add to that increased security and remote management with Intel® Centrino® 2 with vPro™ technology.

And optional embedded Gobi™ 3G global mobile Internet (WWAN) lets you work seamlessly pretty much anywhere.



TOUGHBOOK

Panasonic ideas for life

Panasonic recommends Windows Vista® Business.

THE PANASONIC TOUGHBOOK 52.



SOFTWARE

- Genuine Windows Vista® Business (with XP downgrade option)
- Setup, Diagnostics, PC Information Viewer, Online Reference Manual, Adobe® Reader, Hard Disk Data Erase Utility, Recovery DVD, WinDVD®, B's Recorder GOLD9 BASIC, B's CLIP7

CPU

- Intel® Core™ 2 Duo Processor P8600
 - Intel® Centrino® 2 with vPro™ technology
 - Processor speed 2.4GHz
 - 3MB L2 cache
 - 1066MHz FSB
- Intel® Core™ 2 Duo Processor P8400
 - Intel® Centrino® 2 with vPro™ technology
 - Processor speed 2.26GHz
 - 3MB L2 cache
 - 1066MHz FSB

STORAGE & MEMORY

- 2048MB SDRAM (DDR2) standard, expandable to 4096MB¹
- 160GB hard drive (shock-mounted and quick-release)²

DISPLAY

- Intel® Core™ 2 Duo Processor P8600
 - 15.4" widescreen 1920 x 1200 WUXGA LCD
 - ATI Radeon™ HD 3650, 512MB dedicated VRAM
- Intel® Core™ 2 Duo Processor P8400
 - 15.4" widescreen 1280 x 800 WXGA LCD
 - Optional 13.3" 1024 x 768 XGA sunlight-viewable 1000 nit touchscreen LCD
 - Intel® GM45 (GMA 4500MHD video controller), max. 797MB UMA VRAM on Vista³
- External video support
- Anti-glare, anti-reflective screen treatments

AUDIO

- Analog Devices AD1883 compliant audio codec
- Intel® high-definition audio compliant
- Integrated stereo speakers
- Convenient keyboard volume and mute controls

KEYBOARD & INPUT

- Touchscreen LCD (touchscreen model only)
- Integrated stylus holder (touchscreen model only)
- Adjustable dual overhead keyboard light (touchscreen model only)
- 87-key with dedicated Windows® key
- Electrostatic touchpad with scrolling support
- DVD Super MULTI Drive with Dual Layer Support

MULTIMEDIA POCKET

EXPANSION SLOTS

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

INTERFACE

- Port replicator
- External video
- Headphones/speaker
- Microphone/line in
- Serial
- USB 2.0 (x 4)
- IEEE 1394a (FireWire)
- 10/100/1000 Ethernet
- 56K Modem
- Dedicated 100-pin
- D-sub 15-pin
- Mini-jack stereo
- Mini-jack stereo
- D-sub 9-pin
- 4-pin
- 4-pin
- RJ-45
- RJ-11

WIRELESS

- Optional integrated Gobi™ 3G global mobile Internet (WWAN)
- Intel® Wireless WiFi Link 5100 802.11a/b/g/draft-n
- Bluetooth® v2.0 + EDR (Class 1)—optional on models with P8400 CPU
- Security
 - Authentication: LEAP, WPA, 802.1x, EAP-TLS, EAP-FAST, PEAP
 - Encryption: CKIP, TKIP, 128-bit and 64-bit WEP, Hardware AES
- Slide on/off switch

POWER SUPPLY

- Lithium ion battery pack (11.1V, typical 7800mAh, minimum 7500mAh)
- Battery operation: approximately 4 hours (P8600 CPU), 7 hours (P8400 CPU), 8 hours (touchscreen)⁴
- Battery charging time: approximately 4 hours⁴
- AC Adapter: AC 100V—240V 50/60Hz, auto sensing/switching worldwide power supply
- Pop-up on-screen battery status reporting

POWER MANAGEMENT

SECURITY FEATURES

- Suspend/Resume Function, Hibernation, Standby, ACPI BIOS
- Password Security: Supervisor, User, Hard Disk Lock
- Cable lock slot
- Trusted platform module (TPM) security chip v.1.2
- Computrace® theft protection agent⁵
- Fingerprint reader (option)
- SmartCard reader (option)

WARRANTY

DIMENSIONS & WEIGHT

- 3-year limited warranty, parts and labor
- 11.3"(L) x 14.0"(W) x 2.1"(H)
- 7.5 lbs. (7.9 lbs. with optional touchscreen)

INTEGRATED OPTIONS⁶

- Global Mobile Broadband Internet
 - Gobi™ Technology (EV-DO Rev. A, HSPA)
- SmartCard reader
- Fingerprint reader

- 15.4" Widescreen or 13.3" Touchscreen LCD
- Intel® Centrino® 2 with vPro™ Technology
- Magnesium Alloy Case with Handle
- Shock-mounted, Quick-release Hard Drive
- Drop and Spill-resistant
- Mobile Broadband-ready Design

ACCESSORIES⁶

- AC Adapter (3-pin) CF-AA5803AM
- Battery Charger CF-VCBTB1W
- InfoCase ComUniversal Carrying Case (large capacity) 7540-P
- InfoCase ComUniversal Roller TM-UNIVRLR-P
- InfoCase Always-on 52 Case TM52-P
- Desktop Port Replicator CF-VEB522M
- Lithium Ion Battery Pack CF-VZSU29ASU
- Memory Cards
 - 1GB CF-WMBA801G
 - 2GB CF-WMBA802G

Please consult your reseller or Panasonic representative before purchasing.

¹Total usable memory will be less depending upon actual system configuration.

²1GB = 1,000,000,000 bytes.

³Max with standard RAM. The size of the VRAM cannot be set by the user and varies by operating system as well as size of RAM. Max. 1024MB UMA (DVMT) VRAM on XP with standard RAM.

⁴Battery 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.

⁵Requires software and activation to enable theft protection.

⁶Accessories and Integrated Options may vary depending on your notebook configuration.

1.800.662.3537 / panasonic.com/toughbook/52

Financing options now available from Panasonic Finance Solutions; please call number above for more details.

Panasonic is constantly enhancing product specifications and accessories. Specifications subject to change without notice. Trademarks are property of their respective owners. ©2009 Panasonic Corporation of North America. All rights reserved.

Panasonic ideas for life

