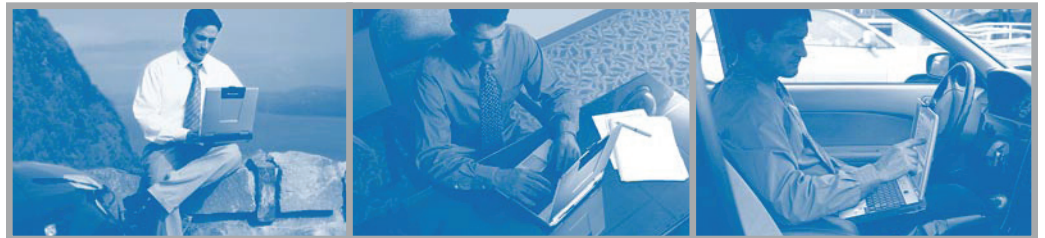


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Howard Technology Solutions
recommends Windows VistaTM
Business

High Performance, Durable and Wireless

- *Genuine Windows[®] XP Professional SP2*
- *Intel[®] Centrino[®] Duo Mobile Technology*
- *Daylight-readable LCD with Touchscreen*
- *Spill-resistant Keyboard and Touchpad*
- *Full Magnesium Alloy Case with Handle*
- *Wide Area Wireless-ready Design*



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ideas for life

Howard Technology Solutions recommends Windows Vista™ Business

SOFTWARE

- Genuine Windows® XP Professional SP2*
- Setup, DMI Viewer, Adobe® Reader, WinDVD™5 Online Reference Manual, Utilities

CPU

- Intel® Core™ Duo Processor T2500
 - 2MB L2 cache
 - Processor speed 2.0GHz (Dual Core)
 - 667MHz FSB

STORAGE & MEMORY

- 512MB SDRAM (DDR2) standard, expandable to 4096MB**
- 80GB hard drive
- Combo Drive (DVD-ROM/CD-R/RW) standard

DISPLAY

- 13.3" 1024 x 768 (XGA) transmissive, daylight-readable TFT active matrix color LCD with touchscreen
- External video support up to 2048 x 1536 at 16,777,216 colors
- Mobile Intel® 945GM Express Chipset, DVMT (Dynamic Video Memory Technology) up to 224MB
- 460 nit LCD brightness

AUDIO

- Intel® high-definition audio compliant
- SigmaTel™ STAC9200 AC-97 v.2.3 compliant audio codec
- Integrated stereo speakers
- Convenient keyboard volume and mute controls

EXPANSION SLOTS

- PC card type I or II x 1
- Secure Digital (SD) card x 1
- Express card x 1

MULTIMEDIA POCKET

- Combo Drive (DVD-ROM/CD-R/RW) standard
- Accepts optional DVD Multi Drive (DVD-RAM/DVD-ROM/DVD-RW/CD-R/CD-ROM/CD-R/RW)

KEYBOARD & INPUT

- 87-key with dedicated Windows® key
- Electrostatic touchpad with scrolling support
- Touchscreen LCD
- Stylus with integrated holder

INTERFACE

- External video Mini-D-sub 15-pin
- Headphones/speaker Mini-jack Stereo
- Microphone/line In Mini-jack Stereo
- Mini port replicator Dedicated 84-pin
- Serial D-sub 9-pin (UART 16550 compatible)
- USB 2.0 (x2) 4-pin
- 10/100/1000 Ethernet RJ-45
- 56K bps Modem RJ-11

WIRELESS LAN

- Intel® PRO/Wireless 3945 network connection with respective drivers
- Slide on/off switch
- Security
 - Authentication: LEAP, WPA, 802.1x, EAP-TLS, EAP-FAST, PEAP
 - Encryption: CKIP, TKIP, 128-bit and 64-bit WEP, Hardware AES

POWER SUPPLY

- Lithium ion battery pack (11.1V, 7.8Ah)
- Battery operation: approx. 7.5 hours***
- Battery charging time: approx. 4.5 hours***
- AC Adapter: AC 100V-240V 50/60Hz, Auto sensing/switching worldwide power supply
- Intelligent power measurement for precise battery status reporting
- Pop-up on-screen battery status reporting

POWER MANAGEMENT

- Hibernation, Standby, ACPI BIOS

SECURITY FEATURES

- Password Security: Supervisor, User
- Cable lock slot
- Trusted platform module (TPM) security chip v.1.2
- Computrace® theft protection agent in BIOS****

WARRANTY

- 3-year limited warranty, parts and labor

DIMENSIONS & WEIGHT

- 1.7"-2.4"(H) x 12"(W) x 11.6"(D)
- 5.95 lbs.



- Genuine Windows® XP Professional SP2
- Intel® Centrino® Duo Mobile Technology
- Daylight-readable LCD with Touchscreen
- Spill-resistant Keyboard and Touchpad
- Full Magnesium Alloy Case with Handle
- Wide Area Wireless-ready Design

INTEGRATED OPTIONS****

- Wide Area Wireless Solutions
 - EVDO
 - HSDPA
- SmartCard reader
- Bluetooth®
- Fingerprint scanner

ACCESSORIES*****

- AC Adapter (3-pin) CF-AA1683AM
- Battery Charger CF-VCBTB1U
- ComFolio Universal Carrying Case (large capacity) COMUNIV-P
- ComFolio Universal Jr. Carrying Case COMUNIVJR-P
- Mini Dock Box Replicator CF-VEBU06W
- DVD Multi Drive (DVD-RAM/DVD-RW/CD-RW) CF-VDM741U
- External USB Floppy Drive CF-VFDU03W
- Lithium Ion Battery Pack CF-VZSU43U
- Memory Cards
 - 512MB CF-WMBA5512
 - 1GB CF-WMBA501G
 - 2GB CF-WMBA502G
- Touchscreen Large Stylus with Tether Hole CF-VNP004U
- 13.3" LCD Protector Film CF-VPF03U
- Large Venue DLP Projector PT-DW5000U
- Mobile LCD Projector PT-LB50U

*Windows Vista™ upgrade available for additional cost.

**Total useable memory will be less depending upon actual system configuration

***Battery 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 2002.

****Requires software and activation to enable theft protection.

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

Please consult your reseller or Panasonic representative before purchasing.

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For more information visit

www.Howard.com or call us at 888.912.3151

Panasonic is constantly enhancing product specifications and accessories. To find the most up-to-date information on the Toughbook 74, please visit our website. Specifications subject to change without notice.

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