HOWARD™
TECHNOLOGY SOLUTIONS

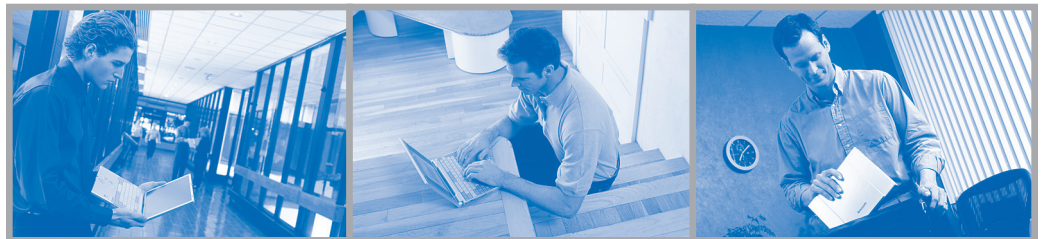*For more information visit www.Howard.com or call us at 888.912.3151*

toughbook T4

Howard Technology Solutions recommends Windows Vista™ Business

Durable, Long-lasting Battery with Touchscreen LCD

- *Full Magnesium Alloy Case*
- *Shock-mounted HDD*
- *Ultra-thin Design with Hand Strap*
- *Long-lasting 9+ Hour Battery Life*
- *Touchscreen LCD*

toughbook T4

Panasonic
ideas for life

toughbook T4

Durable, Long-lasting Battery with Touchscreen LCD

Howard Technology Solutions recommends Windows Vista™ Business

CPU
- Intel® Pentium® M Processor ULV 753:
  – 2MB L2 cache
  – Processor speed 1.2GHz
  – 400MHz FSB

STORAGE & MEMORY
- 512MB SDRAM (DDR2-400) standard, expandable to 1024MB (PC2-3200 memory is required)
- 60GB HDD (shock-mounted and removable*)

DISPLAY
- 12.1" 1024 x 768 XGA anti-glare TFT Active Matrix Color LCD with Touchscreen
- External video support up to 2048 x 1536 and 16.7 million colors
- Intel® 915GMS integrated video controller max. up to 128MB (UMA) VRAM

AUDIO
- SigmaTel™ STAC9751 AC-97 v.2.1 compliant
- Integrated speaker
- Convenient keyboard volume controls (Fn+F5/F6 keys)

EXPANSION SLOTS
- PC Card Type II x 1
- Secure Digital (SD) card

KEYBOARD & INPUT
- 83-key with dedicated Windows® key
- Electrostatic touchpad with continuous vertical scrolling support
- Touchscreen LCD
- Integrated stylus holder

INTERFACE
• Mini Dock Box Replicator	50 pin
• External Video	D-sub 15 pin
• Headphones/Speaker	Mini-jack Stereo
• Microphone/Line In	Mini-jack
• USB 2.0 (x 2)	4 pin
• 10/100 Ethernet	RJ-45
• 56K Modem	RJ-11

WIRELESS LAN
- Intel® PRO/Wireless 2915ABG network connection 802.11a/b/g
- 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, 7.65Ah)
- Battery operation: 9.5 hours**
- Battery charging time: approximately 5 hours off, 7 hours on**
- AC Adapter: AC 100V-240V 50/60Hz, Auto Sensing/Switching worldwide power supply
- Pop-up on-screen battery status reporting

POWER MANAGEMENT
- Resume Function, Hibernation, Standby, ACPI BIOS

SOFTWARE
- Genuine Windows® XP Professional SP2
- Setup, Diagnostics, On-line Reference Manual, Adobe® Reader, Display Rotation

SECURITY FEATURES
- Password Security: Supervisor, User
- Security lock slot
- Trusted Platform Module Security Chip (TPM) v.1.1

WARRANTY
- 3-year limited warranty, parts & labor

DIMENSIONS & WEIGHT
- 10.6"(W) x 1.1"/2.7"(H) x 8.3"(D)
- 3.4 lbs.

ACCESSORIES
• AC Adapter (3 pin)	CF-AA1623AM
• ComFolio Universal Carrying Case (large capacity)	CF-COMUNIV
• ComFolio Universal Jr. Carrying Case	CF-COMUNIVJR
• External USB Combo Drive (DVD-ROM/CD-RW)	CF-VDRRT3U
• External USB Floppy Drive	CF-VFDU03W
• Lithium Ion Battery Pack	CF-VZSU37U
• Memory Cards	
–256MB	CF-WMBAV0256
–512MB	CF-WMBAV0512
• Mini Dock Box Replicator	CF-VEBU05U

- Full Magnesium Alloy Case
- Shock-mounted HDD
- Ultra-thin Design with Hand Strap
- Long-lasting 9+ Hour Battery Life
- Touchscreen LCD

*Hard drive removal should only be attempted by a technician with the proper equipment.

**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 2005.

Please consult your reseller or Panasonic representative before purchasing.

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