

toughbook 29

Powerful, Rugged and Wireless

- Full Magnesium Alloy Case with Handle
- Moisture- and Dust-resistant Design
- Shock-mounted, Removable HDD
- Wireless-ready Design
- Intel® Centrino™ Mobile Technology



toughbook
29

Panasonic
ideas for life



Computers for the Outside World™

toughbook 29

Powerful, Rugged and Wireless



DURABILITY FEATURES

- Designed using MIL-STD-810F test procedures
- Full magnesium alloy case with handle
- Moisture- and dust-resistant LCD, keyboard and touchpad
- Sealed port and connector covers
- Shock-mounted, removable HDD in stainless steel case
- Rugged, dust-resistant hinges
- Vibration and drop-shock resistant design

CPU

- Low Voltage Intel® Pentium® M Processor 1.2GHz
- 1MB on-die L2 cache

STORAGE & MEMORY

- With 60GB HDD:
 - 512MB SDRAM standard, expandable to 1GB (PC266 memory is required)
- With 40GB HDD:
 - 256MB SDRAM standard, expandable to 768MB (PC266 memory is required)
- 1.44MB FDD standard [optional Combo Drive (DVD-ROM*/CD-RW**)]

DISPLAY

- With 60GB HDD: 13.3" 1024 x 768 (XGA) transmissive, anti-reflective TFT Active Matrix Color LCD with Touchscreen
- With 40GB HDD:
 - 13.3" 1024 x 768 (XGA) transmissive, anti-reflective TFT Active Matrix Color LCD with or without Touchscreen
 - 12.1" 800 x 600 (SVGA) transmissive, sunlight-readable TFT Active Matrix Color LCD with Touchscreen
- External video support up to 1280 x 1024 at 16 million colors (24 bit color depth)
- Intel® 855GM graphic controller, UMA (Unified Memory Access) up to 64MB

AUDIO

- Sigmatech™ 9753 audio controller
- Integrated speaker
- Convenient keyboard volume and mute controls

PC CARD SLOT

- Type II x 2 or Type III x 1

MULTIMEDIA POCKET

- 1.44MB FDD, 3.5" (standard)
- Optional Combo Drive (DVD-ROM*/CD-RW**) (CF-VDR282U)
- Combo Drive and FDD can be used simultaneously (with FDD cable CF-VCF271)
- Optional 2nd battery pack (CF-VZSU1428)
- Optional Telephone Line Tester Modules

KEYBOARD & INPUT

- 87-key with dedicated Windows® key
- Enhanced pressure sensitive touchpad (optional)
- Touchscreen LCD (only with Touchscreen version)

INTERFACE

- External Keyboard/Mouse Mini-DIN 6 pin
- External Video MiniD-sub 15 pin
- Headphones/Speaker Mini-jack Stereo
- Integrated 10/100 ethernet RJ-45
- Integrated 56K Modem RJ-11
- Microphone/Line In Mini-jack
- Parallel D-sub 25 pin
- Port Replicator 80 pin (Reinforced)
- Serial D-sub 9 pin
- USB 2.0 4 pin

WIRELESS LAN

- Intel® PRO/Wireless 2100 network connection 802.11b

POWER SUPPLY

- Lithium Ion battery pack (11.1V, 6.6Ah)
- Battery operation: up to 4 hours (with first battery), up to 10 hours (with second battery)***
- Battery charging time: approximately 3 hours/off, 5.5 hours/on****
- AC Adapter: AC 100V-240V 50/60Hz, Auto Sensing/Switching worldwide power supply
- Quick access battery/HDD cover for easy battery replacement
- Pop-up on-screen battery status reporting

POWER MANAGEMENT

- Suspend/Resume Function, Hibernation

SOFTWARE

- Microsoft® Windows® XP Professional (Windows® 2000 Professional also available)
- Setup, Diagnostics, DMI Viewer, On-line Reference Manual, Adobe® Acrobat® Reader, Panasonic® Battery Monitor

SECURITY FEATURES

- Password Security: Supervisor, User, Hard-Disk Lock
- Integrated Kensington Lock Slot

WARRANTY

- 3-year limited warranty, parts & labor

DIMENSIONS & WEIGHT

- 2.3"(H) x 11.8"(W) x 9.5"(D)
- 7.94 lbs, including battery, FDD and handle

- Full Magnesium Alloy Case with Handle
- Moisture- and Dust-resistant Design
- Shock-mounted, Removable HDD
- Wireless-ready Design
- Intel® Centrino™ Mobile Technology

INTEGRATED OPTIONS****

- Wide Area Wireless Solutions
 - CDPD (availability may vary)
 - GSM/GPRS with external SIM slot (availability may vary)
 - 1xRTT/CDMA 2000 (availability may vary)
- Bluetooth™ (availability may vary)
- Global Positioning System (GPS) Receiver
- Sealed rubber LED backlit keyboard

ACCESSORIES****

- AC Adapter (3 pin) CF-AA1653AM
- Battery Charger CF-VCBTB1U
- Combo Drive (DVD-ROM*/CD-RW**) CF-VDR282U
- ComFolio Universal Carrying Case (large capacity, fits all Toughbooks) CF-COMUNIV
- Desktop Port Replicator CF-VEB272AW
- External FDD Cable CF-VCF271
- Lithium Ion Battery Pack CF-VZSU29U
- 2nd Battery Pack CF-VZSU1428
- Memory Cards
 - 256MB CF-WMBA30256
 - 512MB CF-WMBA30512
- Stylus Pen with Tether Hold CF-VNP004U
- Telephone Line Tester Modules*****
- ToughMate CF29
 - Sling Carrying Case CF-TM29
- Vehicle Mount Port Replicator CF-WEB273
- Vehicle Mount Port Replicator with Integrated High-gain Antenna Pass-thru Cable CF-WEB273CBL
- 13.3" LCD Protector Film CF-VPF03U

*Decoder software is required for DVD movie play. (Included)

**CD authoring software is required to write CD-RW. (Included)

***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.

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

*****Special order item

Please consult your reseller or Panasonic representative before purchasing.

toughbook 29

For more information call 877-870-3806 or visit us on the Web at www.mruggedmobile.com.

Panasonic is constantly enhancing product specifications and accessories. To find the most up-to-date information on the Toughbook 29, please visit our website. Specifications subject to change without notice. Trademarks are property of their respective owners. ©2003 Matsushita Electric Corporation of America. All rights reserved.



Panasonic ideas for life