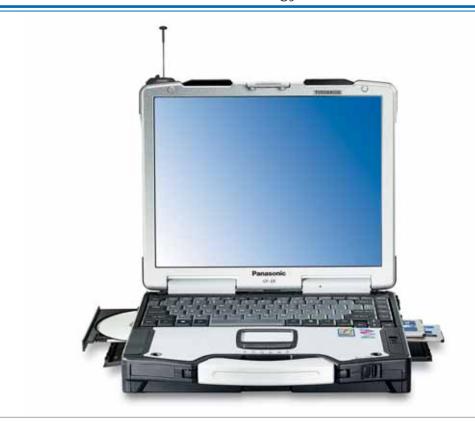
## **TOUGHBOOK**°

# toughbook 29

### Powerful, Rugged and Wireless

- Full Magnesium Alloy Case with Handle
- Moisture- and Dust-resistant Design
- Shock-mounted, Removable HDD
- Wide Area Wireless- and GPS-capable
- Intel® Centrino® Mobile Technology









# toughbook 29

Powerful, Rugged and Wireless

#### Panasonic recommends Windows® XP Professional for Business

#### **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
- Pre-installed screen film for touchscreen protection

CPU

- Intel® Pentium® M Processor LV 778:
  - 2MB L2 cache Processor speed 1.60GHz
- **STORAGE & MEMORY**
- 400MHz FSB • With 80GB HDD:
- 512MB SDRAM (DDR2) standard, expandable to 1536MB
- · With 60GB HDD:
  - 256MB SDRAM (DDR2) standard, expandable to 1280MB

**DISPLAY** 

AUDIO

- With 80GB HDD: 13.3" 1024 x 768 (XGA) transmissive, daylight-readable TFT Active Matrix Color LCD with Touchscreen
- With 60GB HDD: 13.3" 1024 x 768 (XGA) transmissive, daylight-readable TFT Active
- Matrix Color LCD without Touchscreen • External video support up to 1280 x 1024 at 16 million colors (24 bit color depth)
- Intel® 915GMS graphic controller, UMA (Unified Memory Access) up to 128MB
- 540 Nit LCD brightness (non-touchscreen models), 500 Nit (touchscreen models)
- Sigmatel™ STAC9751T AC-97 v2.1 Compliant Audio Codec
  - · Integrated speaker
  - · Convenient keyboard volume and mute controls
- **EXPANSION SLOTS**
- PC Card Type II x 2 or Type III x 1
- · Secure Digital (SD) Card
- **MULTIMEDIA POCKET** • 1.44MB FDD, 3.5" standard · Will accept optional Combo or Multi Drive, or 2nd Battery
- **KEYBOARD & INPUT**
- 87-key with dedicated Windows® key
- - · Pressure sensitive touchpad with vertical scrolling support
  - Touchscreen LCD (only with Touchscreen version)

INTERFACE

- · External Video MiniD-sub 15 pin · Headphones/Speaker Mini-jack Stereo · Microphone/Line In Mini-iack Parallel D-sub 25 pin · Port Replicator 80 pin (Reinforced) Serial D-sub 9 pin • USB 2.0 4 pin x 2 • 10/100/1000 Ethernet **RJ-45** • 56K Modem
- **WIRELESS LAN**
- Intel® PRO/Wireless 2915ABG network connection 802.11a/b/g
- 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) with overcharge protection
- Battery operation: 5-8 hours (with first battery), up to 12 hours (with second battery)\*\*\*
- Battery charging time: approximately 4.7 hours/off, 8.2 hours/on\*\*\*
- · AC Adapter: AC 100V-240V 50/60Hz, Auto Sensing/Switching worldwide power supply
- · Pop-up on-screen battery status reporting
- POWER MANAGEMENT
- · Hibernation, Standby, ACPI Bios
- **SOFTWARE**
- Genuine Windows® XP Professional SP2 · Setup, Diagnostics, DMI Viewer, On-line Reference Manual,
- Adobe® Acrobat® Reader
- **SECURITY FEATURES**
- · Password Security: Supervisor, User, Hard-Disk Lock
- Trusted Platform Module Security Chip (TPM) v.1.2
- · 3-year limited warranty, parts & labor
- WARRANTY
- 2.5"(H) x 11.8"(W) x 9.5"(D)
- **DIMENSIONS & WEIGHT**
- 79 lbs





- Full Magnesium Alloy Case with Handle
- Moisture- and Dust-resistant Design
- Shock-mounted, Removable HDD
- Wide Area Wireless- and GPS-capable
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#### **INTEGRATED OPTIONS\*\*\*\***

- Wide Area Wireless Solutions
- CDMA 1xEVDO (availability may vary)
- EDGE with external SIM slot (availability may vary)
- Bluetooth™ (availability may vary)
- · Global Positioning System (GPS) Receiver
- Backlit Keyboard sealed rubber or plastic emissive
- · SmartCard Reader (eliminates integrated WAN and GPS)

#### ACCESSORIES\*\*\*\*

· AC Adapter (3 pin) CF-AA1653AM · MIL-461 Compliant AC Adapter CF-AA1653ASM · Battery Charger CF-VCBTB1U Combo Drive (DVD-ROM\*/CD-RW\*\*) CF-VDR291U DVD Multi Drive (DVD-RAM/DVD-RW/CD-RW\*\*) CF-VDM292U

ComFolio Universal Carrying Case

CF-COMUNIV (large capacity) • ComFolio Universal Jr. Carrying Case CF-COMUNIVJR CF-VEB272A2W

· Desktop Port Replicator · External FDD Cable CF-VCF271 · Lithium Ion Battery Pack CF-VZSU29U · Lithium Ion Battery Pack

for Multimedia Pocket CF-VZSU1428W Memory Cards
– 512MB CF-WMBA5512 CF-WMBA501G

 Mobile Data Wireless Display CF-VDW07CHM Mobile Data Wireless Display with Magnetic Stripe Reader

and Fingerprint Scanner

- 1GB

 Sling Carrying Case CF-TM29 Touchscreen Large Stylus with Tether Hole

CF-VDW07RFHM

CF-VNP004U · Vehicle Mount Port Replicator (USB 2.0) CF-WEB2732

 Vehicle Mount Port Replicator with Integrated Dual High-gain

Antenna Pass-throughs (USB 2.0) CF-WEB2912 Vehicle Mount Port Replicator

with Integrated High-gain Antenna Pass-through (USB 2.0) CF-WFB2732CBL • 13.3" LCD Protector Film CF-VPF03U

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. Battery testing results from MobileMark 2002.

### For more information call 1-800-662-3537 or visit us on the Web at panasonic.com/toughbook.

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