



Computers for the Outside World™

# toughbook 18

Rugged, Lightweight, Wireless and Convertible

## DURABILITY FEATURES

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

## CPU

- Intel® Pentium® M Processor ULV 733:
  - 2MB L2 cache
  - Processor speed 1.10GHz
  - 400MHz FSB

## STORAGE & MEMORY

- With 60GB HDD:
  - 512MB SDRAM (DDR) standard, expandable to 1536MB
- With 40GB HDD:
  - 256MB SDRAM (DDR) standard, expandable to 1280MB

## DISPLAY

- Touchscreen PC version: 10.4" 1024 x 768 (XGA) transmissive, outdoor-readable TFT Active Matrix Color LCD
- Tablet PC version: 10.4" 1024 x 768 (XGA) transmissive, outdoor-readable TFT Active Matrix Color LCD with Digitizer
- 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

- SigmaTel™ STAC9767 AC-97 v.2.1 Compliant Audio Codec
- Integrated speaker
- Convenient keyboard volume and mute controls

## EXPANSION SLOTS

- PC Card Type II x 2 or Type III x 1

## KEYBOARD & INPUT

- 82-key with dedicated Windows® key
- Pressure sensitive touchpad with vertical scrolling support
- Digitizer or Touchscreen LCD

## INTERFACE

- External Video D-sub 15
- Headphones/Speaker Mini-jack Stereo
- Microphone/Line In Mini-jack
- Port Replicator Dedicated 80 pin
- Serial Port D-sub 9 (Touchscreen PC version only)
- USB 2.0 (x2) 4 pin
- 10/100 Ethernet RJ-45
- 56K V.92 Modem RJ-11

## 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 (7.4V, 7050mAh)
- Battery operation: 4-6 hours\*
- Battery charging time: approximately 3.5 hours/off, 7 hours/on\*
- AC Adapter: AC 100V-240V 50/60Hz, Auto Sensing/Switching worldwide power supply

## POWER MANAGEMENT

- Hibernation, Standby, ACPI BIOS

## SOFTWARE

- Touchscreen PC version: Microsoft® Windows® XP Professional SP2, Setup, On-line Reference Manual, Adobe® Acrobat® Reader, DMI Viewer, Panasonic Handwriting, Software Keyboard, Display Rotation Tool, Hard Disk Data Erase Utility
- Tablet PC version: Microsoft® Windows® XP Tablet PC Edition 2005, Setup, On-line Reference Manual, Adobe® Acrobat® Reader, DMI Viewer, Display Rotation Tool, Hard Disk Data Erase Utility

## SECURITY FEATURES

- Password Security: Supervisor, User
- Cable lock slot

## WARRANTY

- 3-year limited warranty, parts & labor

## DIMENSIONS & WEIGHT

- 1.9"(H) x 10.7"(W) x 8.5"(D)
- 4.5 lbs.

## INTEGRATED OPTIONS\*\*

- Wide Area Wireless Solutions
  - CDMA 1xEVDO/1xRTT (availability may vary)
  - Edge/GPRS/GSM with external SIM slot (availability may vary)
- Bluetooth™ (availability may vary)
- Global Positioning System (GPS) Receiver
- Backlit keyboard
- SmartCard Reader (occupies one Type II PC Card slot)



- Notebook PC Convertible to Tablet PC
- Full Magnesium Alloy Case with Handle
- 4.5 lbs. Lightweight Design
- Wide Area Wireless- and GPS-capable
- Intel® Centrino™ Mobile Technology

## ACCESSORIES\*\*

- AC Adapter (3 pin) CF-AA1623AM
- MIL-416 Compliant AC Adapter CF-AA1653ASM
- Battery Charger CF-VCBTB1U
- CF-18 Tablet Large Stylus Pen (for Digitizer) CF-VNP005U
- CF-18 Tablet Stylus (for Digitizer) CF-VNP006U
- CF-18 Touch Replacement Stylus CF-VNP003U
- Touchscreen Large Stylus with Tether Hole CF-VNP004U
- ComFolio Universal Carrying Case (large capacity) CF-COMUNIV
- ComFolio Universal Jr. Carrying Case CF-COMUNIVJR
- External USB Combo Drive (DVD-ROM\*\*\*/CD-RW\*\*\*\*) CF-VDRRT2W
- External USB Floppy Drive CF-VFDU03W
- FieldMate Always-on Case CF-FM18
- Lithium Ion Battery Pack CF-VZSU30U
- Memory Cards
  - 256MB CF-WMBA40256F
  - 512MB CF-WMBA40512E
  - 1GB CF-WMBA401024B
- Mobile Data Wireless Display CF-VDW07BHM
- Mobile Data Wireless Display with Magnetic Stripe Reader and Fingerprint Scanner CF-VDW07RFHM
- Port Replicator CF-VEB181U
- 10.4" LCD Protector Film for 900MHz and 1.1GHz Tablets CF-VPF06U
- 10.4" LCD Protector Film for 900MHz Touchscreen only CF-VPF07U
- 10.4" LCD Protector Film for 1.1GHz Touchscreen only CF-VPF08U

\*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.

\*\*Integrated options and accessories may vary depending on your notebook configuration.

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

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

Please consult your reseller or Panasonic representative before purchasing.

For more information call 248-200-0400 or visit us on the web at [www.diagnosticinnovations.com](http://www.diagnosticinnovations.com)

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