

TOUGHBOOK

toughbook 19

Rugged, Lightweight, Wireless and Convertible

- *Notebook PC Convertible to Tablet PC*
- *Full Magnesium Alloy Case with Handle*
- *Wide Area Wireless and GPS Capable*
- *Daylight-readable Display*
- *Shock-mounted, Removable Hard Drive*



1000
Nit
Brightness



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19

Panasonic recommends Windows Vista® Business

DURABILITY FEATURES

- Designed using MIL-STD-810F test procedures
- Full magnesium alloy case with hand strap
- 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, shock and drop resistant
- Pre-installed replaceable screen film for touchscreen protection

SOFTWARE

- Genuine Windows Vista® Business (with XP downgrade option)
- Setup, Diagnostics, On-line Reference Manual, Adobe® Reader, DMI Viewer, Panasonic Handwriting with signature capture on tablet (PC version), Software Keyboard, Display Rotation Tool, Hard Disk Data Erase Utility, Recovery DVD

CPU

- Intel® Core™ 2 Duo Processor SU9300
 - 3MB L2 cache
 - Processor speed 1.2GHz
 - 800MHz FSB

STORAGE & MEMORY

- 2GB SDRAM (DDR2) standard, expandable to 4GB max*
- 160GB HDD (shock-mounted and user-removable)

DISPLAY

- Touchscreen PC version: 10.4" 1024 x 768 (XGA) transmissive, 1000 nit daylight-readable TFT Active Matrix Color LCD
- Tablet PC version: 10.4" 1024 x 768 (XGA) transmissive, 1000 nit daylight-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® Mobile GS45 Express Chipset max. 1GB (DVMT) VRAM on XP*
- Anti-glare, anti-reflective coating

AUDIO

- Intel® High Definition Audio Sub System
- SoundMax AC-97 v2.2 Compliant Audio Codec
- Integrated speaker
- Convenient keyboard volume and mute controls

EXPANSION SLOTS

- PC Card Type II x 1
- Secure Digital (SDHC) Card
- Express Card/54 x 1

KEYBOARD & INPUT

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

INTERFACE

- External Video D-sub 15-pin
- Headphones/Speaker Mini-jack Stereo
- Microphone/Line In Mini-jack
- Port Replicator Dedicated 100 pin
- Serial D-sub 9-pin
- Ext. Antenna Conn. (x2) 50 Ohm Coaxial
- USB 2.0 (x2) 4-pin
- IEEE 1394a (Firewire) 4-pin
- 10/100/1000 Ethernet RJ-45
- 56K V.92 Modem RJ-11

WIRELESS

- Optional integrated mobile broadband (WWAN)
- Bluetooth® v2.0 +EDR
- Intel® Wireless WiFi Link 5100 802.11a/b/g/n draft 2.0
- Security
 - Authentication: LEAP, WPA, 802.1x, EAP-TLS, EAP-FAST, PEAP
 - Encryption: CKIP, TKIP, 128-bit and 64-bit WEP, Hardware AES
- Slide on/off switch

POWER SUPPLY

- Lithium Ion battery pack (10.65V, 5700mAh)
- Battery operation: 9 hours**
- Battery charging time: approximately 4.5 hours/off, 6.5 hours/on**
- AC Adapter: AC 100V-240V 50/60Hz, Auto Sensing/Switching worldwide power supply

POWER MANAGEMENT

- Suspend/Resume function, Hibernation, Standby, ACPI BIOS

SECURITY FEATURES

- Password Security: Supervisor, User, Hard Disk lock
- Cable lock slot
- Trusted Platform Module (TPM) Security Chip v.1.2
- Computrace® theft protection agent in BIOS****
- Smartcard Reader (option)

WARRANTY

- 3-year limited warranty, parts and labor

DIMENSIONS & WEIGHT

- 1.9"(H) x 10.7"(W) x 8.5"(D)
- 2.27 kg (5.1 lbs.)

INTEGRATED OPTIONS****

- Mobile Broadband Solutions
 - EVDO Rev. A
 - HSDPA
- Global Positioning System (GPS) Receiver
- Fingerprint Scanner



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ACCESSORIES**

- AC Adapter (3 pin) CF-AA1633AM
- Battery Charger CF-VCBTB1W
- CF-19 Tablet Large Stylus Pen (for Digitizer) CF-VNP005U
- CF-19 Tablet Stylus (for Digitizer) CF-VNP011U
- CF-19 Touch Replacement Stylus CF-VNP003U
- Desktop Port Replicator CF-VEB181U
- External USB Combo Drive (DVD-ROM/CD-RW) CF-VDRRT3U
- Lithium Ion Battery Pack CF-VZSU48U
- Memory Cards
 - 1GB CF-BA64001G
 - 2GB CF-BA64002G
- 10.4" LCD Protector Film for Tablets CF-VPF06U
- 10.4" LCD Protector Film for Touchscreen CF-VPF08U
- Tether for Stylus Pen CF-VNT001U
- Tablet Case CF-M19P
- Hand Strap CF-19XS
- Harness for Case CF-MUHP

*Total usable memory will be less depending upon actual system configuration. Vista® max. VRAM is 797MB with 2GB of memory, or 1551MB with 4GB or more of memory. XP is 1GB max.

**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 Mobile Mark 2007

***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.

For more information visit us on the Web at panasonic.ca.

Panasonic is constantly enhancing product specifications and accessories. To find the most up-to-date information on the Toughbook 19, please visit our website. Specifications subject to change without notice. Trademarks are property of their respective owners.



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