

SOFTWARE

- Genuine Windows® 7 Professional (32-bit)¹ or Genuine Windows® 7 Professional (64-bit)¹
- Panasonic Utilities, Recovery Partition

CPU

- Intel® Core™ i5-2540M vPro™ Processor
 - 2.6GHz with Turbo Boost up to 3.3GHz
 - Intel Smart Cache 3MB

STORAGE & MEMORY

- 4GB SDRAM (DDR3-1333MHz), expandable to 16GB^{2,3}
- Shock-mounted flex-connect hard drive with quick-release
 - 320GB 5400rpm (optional 500GB 5400rpm)³

DISPLAY

- 15.4" widescreen WUXGA LED 1920 x 1200
- Anti-reflective and anti-glare screen treatments
- Video controllers
 - ATI Radeon™ HD6750M (512MB dedicated VRAM)⁴
 - Intel® QM67 (max. 1915MB shared VRAM with 32-bit)⁴
- External video support up to 1920 x 1200 at 16.7 million colors

AUDIO

- Intel® high-definition audio compliant
- Integrated stereo speakers
- Keyboard volume and mute controls

KEYBOARD & INPUT

- 87-key with dedicated Windows® key
- Electrostatic touchpad with scrolling support

**MULTIMEDIA BAY
EXPANSION SLOTS**

- DVD Super MULTI Drive
- PC card type II x 1
- SD card (SDXC)
- ExpressCard/54 x 1

INTERFACE

- Docking connector Dedicated 100-pin
- VGA D-sub 15-pin
- Headphones/speaker Mini-jack stereo
- Microphone/line in Mini-jack stereo
- Serial D-sub 9-pin
- USB 2.0 (x4) 4-pin
- IEEE 1394a (FireWire) 4-pin
- 10/100/1000 Ethernet RJ-45
- 56K Modem RJ-11

WIRELESS

- Optional integrated Gobi™2000 3G mobile broadband
- Intel® Centrino® Advanced-N 6205 802.11a/b/g/n
- Bluetooth® v2.1 + EDR (Class 1)
- 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

- Battery operation: 4 hours⁵
- Long life Li-Ion battery pack (10.8V, typical 6750mAh, minimum 6300mAh)
- Battery charging time: 2 hours⁵
- AC Adapter: AC 100V–240V 50/60Hz, auto sensing/switching worldwide power supply

**POWER MANAGEMENT
SECURITY FEATURES**

- Suspend/Resume Function, Hibernation, Standby, ACPI BIOS
- Password Security: Supervisor, User, Hard Disk Lock
- Kensington cable lock slot
- Trusted platform module (TPM) security chip v.1.2
- Computrace® theft protection agent in BIOS⁶
- Intel® Anti-Theft Technology
- Optional fingerprint reader
- Optional SmartCard reader

WARRANTY

DIMENSIONS & WEIGHT

- 3-year limited warranty, parts and labor
- 11.3"(L) x 14.0"(W) x 2.0"(H)
- 7.5 lbs.

INTEGRATED OPTIONS⁷

- Gobi™2000 3G mobile broadband (EV-DO Rev. A, HSPA)
- SmartCard reader
- Fingerprint reader

1.877.532.8088 / pbuytough.com/tb_52.asp

Financing options now available from Panasonic Finance Solutions; please call number above for more details.

Panasonic is constantly enhancing product specifications and accessories. Specifications subject to change without notice. Trademarks are property of their respective owners. ©2011 Panasonic Corporation of North America. All rights reserved.



ACCESSORIES⁷

- AC Adapter (3-prong) CF-AA5713AM
- Lithium Ion Battery Pack CF-VZSU71U
- Battery Charger CF-VCBTB2W
- LIND 3-Bay Battery Charger PACH329-1857-P
- LIND Car Adapter 120W CF-LNDDC120
- LIND Car Adapter 120W CF-LNDDC120
- Mounting Bracket CF-LNDBRK120
- LIND Shutdown Timer CF-LNLDLPT
- InfoCase ComUniversal Carrying Case (large capacity) TBCCOMUNV-P
- InfoCase ComUniversal Roller TBCRLR-P
- InfoCase Backpack TBCBPK-P
- InfoCase Always-on 52 Case TBC52AOCOS-P
- Desktop Dock CF-VEB522M
- Memory Cards CF-WMBA1004G
- 4GB DDR3 TBD
- 8GB DDR3 TBD
- DisplayPort to HDMI Adapter TTDPHDMI

Please consult your reseller or Panasonic representative before purchasing.

¹ A full set of Windows XP drivers are available at panasonic.com/toughbook/support.

² Total usable memory will be less depending upon actual system configuration.

³ 1GB = 1,000,000,000 bytes.

⁴ The size of the VRAM cannot be set by the user and varies by operating system as well as size of RAM. Windows 7 64-bit max. VRAM is 2283MB with 4GB of memory.

⁵ 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 2007.

⁶ Requires software and activation to enable theft protection.

⁷ Accessories and Integrated Options may vary depending on your notebook configuration.