Enhanced performance and versatility from the original semi-rugged laptop manufacturer.

In 1998, Panasonic created the first semi-rugged computer. Today, the Panasonic Toughbook® 53 features a 14” HD LED display, the latest Intel® Core™ processors and an oversized multi touch touchpad. Options for a sunlight-viewable Panasonic CircuLumin™ touchscreen, backlit keyboard, GPS receiver, 4G LTE mobile broadband, integrated webcam and choice of insertable or contactless SmartCard reader, make this the most versatile semi-rugged PC ever.

Panasonic recommends Windows® 7.

TOUGHBOOK 53

- 14” High Definition (720p) LED Display
- Sunlight-viewable Touchscreen with Panasonic CircuLumin™ Technology
- Oversized Touchpad with Multi Touch
- Magnesium Alloy Case with Handle
- Drop and Spill-resistant
- Optional 4G LTE or 3G Gobi™ Mobile Broadband

1.800.662.3537
panasonic.com/toughbook/53
Panasonic recommends Windows® 7.

DURABILITY
- MIL-STD-810G certified (5’ drop, shock, vibration, dust, altitude, high/low temperature, temperature shock, humidity)
- Spill-resistant keyboard
- Optional hard drive heater
- Magnesium alloy case with handle
- Shock-mounted flex-connect hard drive with quick-release
- Pre-installed replaceable screen film

SOFTWARE
- Genuine Windows® 7 Professional 32-bit or
- Genuine Windows® 7 Professional 64-bit
- Panasonic Utilities, Recovery Partition

CPU
- Intel® Core™ i5-3320M processor
  - 2.60GHz with Turbo Boost up to 3.30GHz
- Intel Smart Cache 3MB

STORAGE & MEMORY
- 4GB DDR3RAM (2GBx2), expandable to 16GB
- Shock-mounted flex-connect hard drive with quick-release
  - 500GB 7200rpm ( Elite model), 320GB 5400rpm (Lite model)
- Optional hard drive heater
- Optional 128GB, 256GB and 512GB reinforced flex-connect SSD with heaters

DISPLAY
- 14.0” High Definition (720p) LED 1366 x 768
- Optional touchscreen
  - Panasonic iCubio™ technology
  - Anti-reflective and anti-glare screen treatments, circular polarizer
- Video controller: Intel® CM77
  - max. 142MBm shared VRAM with 32-bit
- External video support up to 1920 x 1200 at 16.7 million colors
- Concealed mode (configurable)

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

KEYBOARD & INPUT
- Touchscreen with integrated stylus holder
- 87-key with dedicated Windows key
- Oversized electrostatic touchpad with multi-touch support
- Optional backlight emissive keyboard

MULTIMEDIA BAY
- DVD Super MULTI Drive

EXPANSION SLOTS
- PC card type II x 1
- SD card (SDXC)
- ExpressCard/SD x 1

INTERFACE
- Docking connector
- Dedicated 100-pin
- Type A
- VGA
- D-sub 15-pin
- Headphones/speaker
- Mini jack stereo
- Microphone/line in
- Mini jack stereo
- Serial
- USB 3.0 (x 2), USB 2.0 (x 2)
- Optional EEE 1948 (Firewire)6
- 4-pin
- 10/100/1000 Ethernet (RJ-45)
- Optional 10/100 2nd LAN (Ethernet)6
- Optional 56K Modem
- RJ-45

WIRELESS
- Optional integrated 45-66G mobile broadband
- Optional integrated 3G/4G mobile broadband
- Intel® Centrino® Advanced-N 6205
- 802.11a/b/g/n
- Bluetooth® V4.0 + EDR (Class 1)
- Security
  - Authentication: LEAP, WPA, 802.1x, EAP-TLS, EAP-FAST, PEAP
  - Encryption: CKIP, TKIP, 128-bit and 64-bit WEP, WPA, AH-1394a
- Optional dual high-gain antenna pass-through
- Slide on/off switch

POWER SUPPLY
- Battery operation
  - Lite model—11 hours (long life battery)
  - Lite model—7 hours (lightweight battery)
- Battery charging time: 2 hours
- Long Life Li-Ion battery pack (10.8V, typical 6750mAh, minimum 6300mAh)
- Lightweight Li-Ion battery pack (10.8V, typical 4500mAh, minimum 4200mAh)
- AC Adapter: AC 100V-240V 50/60Hz, auto sensing/switching worldwide power supply

POWER MANAGEMENT
- Standby Function, Hibernation, Standby, ACPI BIOS

SECURITY FEATURES
- Password Security: Supervisor, User, Hard Disk Lock
- Kensington cable lock slot
- Trusted platform module (TPM) security chip v1.2
- Computrace® anti-theft protection agent in BIOS
- Intel® Anti-Theft Technology
- Optional fingerprint reader
- Optional 1.35MHz contactless SmartCard/RFID reader
- Optional 13.56MHz contactless SmartCard/RFID reader
- ISO 15693 and 14443 A/B compliant

WARRANTY
- 3-year limited warranty, parts and labor

DIMENSIONS & WEIGHT
- 11.1"(L) x 13.4"(W) x 1.8-2.2"(H)
- 5.6 lbs. (Lite model), 5.8 lbs. (Elite model), 6.5 lbs. (Elite model with touch)

INTEGRATED OPTIONS
- 4G LTE mobile broadband
- 3G Gobi™ “3000 mobile broadband (9V-DO Rev. A, HSUPA)
- GPS receiver
- 1.3MP webcam and digital mini
- Backlit emissive keyboard
- 2nd LAN (10/100) or FireWire or RJ-11 Modem or Dual antenna pass-through
- Insertable SmartCard reader
- Touchscreen SmartCard/RFID reader
- Fingerprint reader
- Hard drive heater
- 128GB, 256GB and 512GB solid state drives (SSD) with heaters

SELECT ACCESSORIES
- AC Adapter (3-prong) CF-AAD73AM
- Long Life Battery Pack CF-VZSU71U
- Lightweight Battery Pack CF-VZSU72L
- Battery Charger CF-VCB7B2W
- LIND 3-Ray Battery Charger CF-LNDG20
- LIND Car Adapter 120V CF-LNDG12
- LIND Car Adapter 120W Mounting Bracket CF-LNDM8M/Y20
- LIND Shut-down Timer CF-LNDIM3
- ToughMate ComUniversal Carrying Case (large capacity)
- ToughMate ComUniversal Roll CFTRCBMUN8/P
- ToughMate Backpack CFTRCBP8/K
- ToughMate Always-on 53 Case CFTRCB30/CPS
- Memory Card
  - 4GB DDR3
  - Desktop Dock CF-VB851U
  - Goodman-Johnson Vehicle Docks
  - 4G LTE mobile broadband
  - GPS receiver
  - 1.3MP webcam and digital mini
  - 2nd LAN (10/100) or FireWire or RJ-11 Modem or Dual antenna pass-through
  - Insertable SmartCard reader
  - Touchscreen SmartCard/RFID reader
  - Fingerprint reader
  - Hard drive heater
- 128GB, 256GB and 512GB solid state drives (SSD) with heaters

Please consult your reseller or Panasonic representative before purchasing.

*Optional screen film is also available.

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

*1GB = 1,000,000,000 bytes.

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

*1GILT = 1,000,000,000,000 bytes.

*2 Not available on Lite model.

*3 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 = 1696MB with 4GB of memory.

*4 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 condition and other customer preferences.

*5 If battery power runs low while connected to AC, the computer may automatically enter standby or hibernation mode.

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

*7 Available Intel® Core™ i7 processor is also available.

*8 Please refer to the System Requirements of Microsoft Mark 2007.

*9 12 Accessories and Integrated Options may vary depending on your notebook configuration.

*10 Battery testing results from MobileMark 2007.

*11 Requires software and activation to enable theft protection.

12 Panasonic is constantly enhancing product specifications and accessories. Specifications subject to change without notice. Trademarks are property of their respective owners. ©2012 Panasonic Corporation of North America. All rights reserved SS_TB53_0912