TOUGHBOOK 53

- 14" High Definition (720p) LED Display
- Sunlight-viewable Touchscreen with Panasonic CircuLumin™ Technology¹
- Oversized Touchpad with Multi Touch
- Magnesium Alloy Case with Handle
- Drop and Spill-resistant
- Optional 4G LTE Multi Carrier Mobile Broadband with Satellite GPS

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 (SiRFstarIII™), 4G LTE multi carrier mobile broadband with satellite GPS, integrated webcam and choice of insertable or contactless SmartCard reader, make this the most versatile semi-rugged PC ever.

ToughDepot.com/toughbook-53.html
DURABILITY
- MIL-STD-810G certified (3’ drop, shock, vibration, dust, altitude, high/low temperature, temperature shock, humidity)
- Spill-resistant keyboard
- Optional hard drive heater
- Magnum alloy case with handles
- Shock-mounted flex-connect hard drive with quick-release
- Pre-installed replaceable screen film

SOFTWARE
- Windows® 8 Pro 64-bit (with Windows® 7 downgrade option)
- Panasonic Utilities, Recovery Partition

CPU
- Intel® Core™ i5-3340M vPro® Processor
  - 2.70GHz with Turbo Boost up to 3.6GHz
  - Intel Smart Cache 3MB

STORAGE & MEMORY
- 4GB or 8GB SDRAM (DDR3L-1333MHz) (1)
- Shock-mounted flex-connect hard drive with quick-release
  - 500GB 7200rpm (Elite model), 320GB 5400rpm (Lite model)
  - Optional hard drive heater
  - Optional 129GB, 256GB and 512GB reinforced flex-connect SSD with heaters (2)

DISPLAY
- 14.0” High Definition (1280 x 800) LED 1366 x 768
- Optional touchscreen (2)
  - Panasonic CircuLumin® technology (2)
  - 2.850 nit, AR and AG screen treatments, circular polarizer
- Anti-reflective and anti-glare screen treatments
- Video controller: Intel® SMVT
  - max. 141MB 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

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

MULTIMEDIA BAY
- DVD Super MULTI Drive

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

INTERFACE
- Docking connector: Dedicated 100-pin
- HDMI: Type A
- VDA: D-sub 15-pin
- Headphone/speaker: Mini-jack stereo
- Microphone/lime in: Mini-jack stereo
- Serial: D-sub 9-pin
- USB 3.0 (x 2), USB 2.0 (x 2)
  - Optional IEEE 1394a (FireWire®)
  - 10/100/1000 Ethernet: RJ-45
- Optional 10/100 2nd LAN (Ethernet)(2)
  - RJ-45
  - Optional 56K Modem(2)
  - RJ-11

WIRELESS
- Optional integrated 4G LTE multi carrier mobile broadband with satellite GPS
- Optional GPS (e.g., Surfstar®(2))
- Intel® Centrino® Advanced-N 6235 802.11a/b/g/n
- Bluetooth® v4.0 + EDR (Class 1)
- Security
  - Authentication: LEAP, WPA, 802.1x, EAP-TLS, EAP-FAST, PEAP
  - Encryption: TKIP, TKIP, 128-bit and 64-bit WEP, Hardware AES
  - Optional dual high-gain antenna pass-through(5)
  - Slide on/off switch

POWER SUPPLY
- Battery operation
  - Elite model—11 hours (long life battery)
  - Lite model—8 hours (lightweight battery)
- Battery charging time: 2 hours(2)
- 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
- Suspend/Resume 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® theft protection agent in BIOS
- Intel® Anti-Theft Technology
- Optional fingerprint reader(11)
- Optional insertable SmartCard reader
- Optional 13.56MHz contactless SmartCard/RFID reader(1,16)
  - ISO 15693 and 14443 A/8 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. (Elite model), 5.8 lbs. (Elite model), 6.5 lbs. (Elite model with touch)

INTEGRATED OPTIONS(1)
- 4G LTE multi carrier mobile broadband with satellite GPS
- GPS (Surfstar®(2))
- 720P webcam and digital mic(2)
- Backlit emissive keyboard
- 2nd LAN (10/100) or FireWire or RJ-11 Modem or Dual antenna pass-through(5,10)
- Optional integrated 4G LTE multi carrier mobile broadband with satellite GPS
- Optional 56K Modem
- Optional 128GB, 256GB and 512GB solid state drives (SSD) with heaters
- Anti-Theft Technology
- Panasonic recommends Windows 8.

SELECT ACCESSORIES(5)
- AC Adapter (3-prong)
- Long Life Battery Pack
- Lightweight Battery Pack
- Battery Charger
- LIND 3-Bay Battery Charger
- LIND Car Adapter 129W
- ToughMate Always-on 53 Case
- ToughMate Modem
- ToughMate ComUniversal
- Touchscreen Replacement Stylus
- BATTERY PACK(10)
- Tether
- 14.0” LCD Projector Film

Please consult your reseller or Panasonic representative before purchasing.

*Requires software and activation to enable theft protection.
**Not available on Lite model.
†1GB = 1,000,000,000 bytes. Total usable memory will be less depending upon actual system configuration.
†2nd LAN (10/100) or FireWire or RJ-11 Modem or Dual antenna pass-through(5,10)
†3’ drop, shock, vibration, dust, altitude, high/low temperature, temperature shock, humidity
†4G LTE multi carrier mobile broadband with satellite GPS
†5,7* Intel® Core™ i7 processor is also available.
†6 Not available on Lite model.
†7-11 The use of the WWAN cannot be set by the user and varies by operating system as well as by manufacturing. Windows 7 includes Windows 7 Ultimate with 4GB of memory.
†12 Battery performance features such as charge time and battery 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, buffering, power management, battery conditioning and other customer preferences.
†13 Requires software and utilities to enable theft protection.
†14 Fingerprint and contactless SmartCard are mutually exclusive.
†15 Accessories and Integrated Options may vary depending on your notebook configuration. Visit Panasonic website for more accessories and details.

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