

Panasonic recommends Windows.

# Panasonic



## TOUGHBOOK 53

- 14" High Definition (720p) LED Display
- Sunlight-viewable Touchscreen with Panasonic CircuLumin™ Technology<sup>1</sup>
- Oversized Touchpad with Multi Touch
- Magnesium Alloy Case with Handle
- Drop and Spill-resistant
- Optional 4G LTE Multi Carrier Mobile Broadband with Satellite GPS

3-FOOT  
DROP RATING

MIL-STD-  
810G

## 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, dedicated GPS, 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.

**TOUGHBOOK®**

Panasonic recommends Windows.

## SOFTWARE

- Windows® 8.1 Pro 64-bit (available Windows® 7 Professional downgrade option)
- Panasonic Utilities, Recovery Partition

## DURABILITY

- MIL-STD-810G certified (3' 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<sup>1</sup>

## CPU<sup>2</sup>

- Intel® Core™ i5-4310U vPro™ Processor
  - 2.0GHz with Turbo Boost up to 3.0GHz
  - Intel Smart Cache 3MB

## STORAGE & MEMORY

- 4GB or 8GB SDRAM (DDR3L-1600MHz)<sup>3,4</sup>
- Shock-mounted flex-connect hard drive with quick-release
  - 500GB 7200rpm (Elite model), 320GB 5400rpm (Lite model)<sup>4</sup>
  - Optional hard drive heater
  - Optional 128GB, 256GB and 512GB reinforced flex-connect SSD with heaters<sup>4</sup>

## DISPLAY

- 14.0" High Definition (720p) LED 1366 x 768
- Optional touchscreen<sup>5</sup>
  - Panasonic CircuLumin™ technology
  - [2-850 nit, AR and AG screen treatments, circular polarizer]
- Anti-reflective and anti-glare screen treatments
- Intel® HD graphics 4400, max. 1792MB shared VRAM with Win 8.1 64-bit<sup>6</sup>
- Concealed mode (configurable)

## AUDIO

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

## KEYBOARD & INPUT

- Touchscreen with integrated stylus holder<sup>3</sup>
- 87-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/54 x 1

## INTERFACE

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>Docking connector</li> <li>HDMI</li> <li>VGA</li> <li>Headphones/speaker</li> <li>Microphone/line in</li> <li>Serial</li> <li>USB 3.0 (x 2), USB 2.0 (x 2)</li> <li>Optional IEEE 1394a (FireWire)<sup>5,7</sup></li> <li>10/100/1000 Ethernet</li> <li>Optional 2nd LAN (Ethernet)<sup>5,7</sup></li> <li>Optional 56K Modem<sup>5,7</sup></li> </ul> | <ul style="list-style-type: none"> <li>Dedicated 100-pin Type A</li> <li>D-sub 15-pin</li> <li>Mini-jack stereo</li> <li>Mini-jack stereo</li> <li>D-sub 9-pin</li> <li>4-pin</li> <li>4-pin</li> <li>RJ-45</li> <li>RJ-45</li> <li>RJ-11</li> </ul> |
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## WIRELESS

- Optional integrated 4G LTE multi carrier mobile broadband with satellite GPS
- Optional GPS (SiRFstarIII™)
- Intel® Dual Band Wireless-AC7260 Wi-Fi 802.11a/b/g/n/ac
- 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, Hardware AES
- Optional dual high-gain antenna pass-through<sup>7</sup>
- Slide on/off switch

## POWER SUPPLY

- Battery operation<sup>8</sup>
  - Elite model—15 hours (long life battery)
  - Lite model—10 hours (lightweight battery)
- Battery charging time: 2 hours<sup>9</sup>
- 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 v.1.2
- Computrace® theft protection agent in BIOS<sup>10</sup>
- Intel® Anti-Theft Technology
- Optional fingerprint reader<sup>5,10</sup>
- Optional insertable SmartCard reader
- Optional 13.56MHz contactless SmartCard/RFID HF reader<sup>5,10</sup>
  - 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<sup>11</sup>

- 4G LTE multi carrier mobile broadband with satellite GPS
- GPS (SiRFstarIII™)<sup>5,7</sup>
- 720P webcam and digital mic<sup>5</sup>
- Backlit emissive keyboard
- 2nd LAN (10/100) or FireWire or RJ-11 modem or dual antenna pass-through<sup>5,7</sup>
- Insertable SmartCard reader
- Contactless SmartCard/RFID reader<sup>5,10</sup>
- Fingerprint reader<sup>5,10</sup>
- Hard drive heater
- 128GB, 256GB and 512GB solid state drives (SSD) with heaters

## SELECT ACCESSORIES<sup>11</sup>

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>AC Adapter (3-prong)</li> <li>Long Life Battery Pack</li> <li>Lightweight Battery Pack</li> <li>Battery Charger</li> <li>LIND 3-Bay Battery Charger</li> <li>LIND Car Adapter 120W</li> <li>ToughMate Always-on 53 Case</li> <li>ToughMate ComUniversal Carrying Case (large capacity)</li> <li>ToughMate Backpack</li> <li>Memory Card 4GB DDR3</li> <li>Desktop Dock</li> <li>Vehicle Docks (no pass-through)                             <ul style="list-style-type: none"> <li>– Gamber-Johnson with LIND power supply</li> <li>– Havis with LIND power supply</li> </ul> </li> <li>Vehicle Docks (dual pass-through)                             <ul style="list-style-type: none"> <li>– Gamber-Johnson with LIND power supply</li> <li>– Havis with LIND power supply</li> </ul> </li> <li>Touchscreen Replacement Stylus</li> <li>Tether</li> <li>14.0" LCD Protector Film</li> </ul> | <ul style="list-style-type: none"> <li>CF-AA5713AM</li> <li>CF-VZSU71U</li> <li>CF-VZSU72U</li> <li>CF-VCBTB2W</li> <li>PACH329-1857-P</li> <li>CF-LNDDC120</li> <li>TBC53A0CS-P</li> <li>TBCCOMUNV-P</li> <li>TBCBPK-P</li> <li>CF-WMBA1304G</li> <li>CF-VEB531U</li> <li>7160-0393-04-P</li> <li>CF-H-PAN-412-P</li> <li>7160-0393-06-P</li> <li>CF-H-PAN-412-2-P</li> <li>CF-VNP009U</li> <li>CF-VNT002U</li> <li>CF-VPF17U</li> </ul> |
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Please consult your reseller or Panasonic representative before purchasing.

<sup>1</sup> Touchscreen model only.

<sup>2</sup> An Intel® Core™ i7 processor is also available.

<sup>3</sup> Total usable memory will be less depending upon actual system configuration.

<sup>4</sup> 1GB = 1,000,000,000 bytes.

<sup>5</sup> Not available on Lite model.

<sup>6</sup> 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 1696MB with 4GB of memory.

<sup>7</sup> GPS comes standard with dual pass. GPS is not available with FireWire, RJ-11 or 2nd LAN.

<sup>8</sup> 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.

<sup>9</sup> Requires software and activation to enable theft protection.

<sup>10</sup> Fingerprint and contactless SmartCard are mutually exclusive.

<sup>11</sup> Accessories and Integrated Options may vary depending on your notebook configuration. Visit Panasonic website for more accessories and details.



ToughDepot.com/toughbook-53.html

**TOUGHBOOK®**