



Panasonic recommends Windows.

TOUGHBOOK 53

- 14" High Definition (720p) LED Display
- Sunlight-viewable Touchscreen with Panasonic CircuLumin™ Technology¹
- Magnesium Alloy Case with Handle
- Drop and Spill-resistant
- Optional 4G LTE Multi Carrier Mobile Broadband with Satellite GPS
- Industry leading driver packages for ease of deployment and support



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.

For more information contact TransCOR:
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TOUGHBOOK®

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SOFTWARE

- Windows® 10 Pro (available Windows® 7 Professional downgrade option)
- Panasonic Utilities (including Dashboard), Recovery Partition
- Enterprise ready driver packages including CAB files and one-click driver bundles

DURABILITY

- MIL-STD-810G certified (3' drop, shock, vibration, dust, altitude, high/low temperature, temperature shock, humidity)
- Spill-resistant keyboard
- Magnesium alloy case with handle
- Optional storage drive heater
- Shock-mounted caged storage drive
- Removable quick-release battery and storage drive
- Field upgradeable 4G LTE
- Pre-installed replaceable screen film for LCD protection¹

CPU²

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

STORAGE & MEMORY

- 4GB, 8GB or 16GB SDRAM (DDR3L-1600MHz)³
- Shock-mounted storage drive with quick-release
 - 500GB 7200rpm HDD (Elite models), 320GB 5400rpm HDD (Lite model)³
 - Optional hard drive heater
 - Optional 256/512GB SSD with heaters³

DISPLAY

- 14.0" HD 1366 x 768
- Optional touchscreen⁴
 - 2-850 nit
 - Panasonic CircuLumin™ technology
 - Anti-reflective (AR), anti-glare (AG), and circular polarizer
- Anti-reflective (AR) and anti-glare (AG) screen treatments
- Intel® HD graphics 4400
- Triple monitor support
- Concealed mode (configurable)

AUDIO

- Intel® High Definition Audio compliant
- Integrated stereo speakers
- Keyboard volume and mute controls

KEYBOARD & INPUT

- Stylus pen with integrated stylus holder, tether and cleaning cloth⁵
- 87-key with dedicated Windows® Key
- Optional backlit emissive keyboard
- Electrostatic touchpad with multi touch

DVD DRIVE

- DVD Super MULTI Drive

INTERFACE & EXPANSION

- Docking connector 100-pin Type A
- USB 3.0 (x 2), USB 2.0 (x 2) UHS-I
- SD card (SDXC)
- Optional IEEE 1394a (FireWire)^{6,5} 4-pin Type A
- HDMI Type A
- VGA D-sub 15-pin
- 10/100/1000 Ethernet RJ-45
- Optional 2nd LAN 10/100/1000 (Ethernet)^{4,5} RJ-45
- Headphones/speaker Mini-jack stereo
- Microphone Mini-jack stereo
- Serial D-sub 9-pin
- Optional 56K Modem^{4,5} RJ-11
- ExpressCard/54 34mm or 54mm
- PC Card Type II

WIRELESS

- Optional 4G LTE multi carrier mobile broadband with satellite GPS
- Optional GPS (u-blox NEO-M8N)
- Optional dual high-gain antenna pass-through³
- Optional contactless SmartCard/RFID HF reader
- Intel® Dual Band Wireless-AC 7260 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
- Slide on/off switch

POWER

- Li-Ion battery pack:
 - Elite models (long life battery): 10.8V, typical 6750mAh, min. 6300mAh
 - Lite model (lightweight battery): 10.8V, typical 4500mAh, min. 4200mAh
- Battery operation⁶:
 - Elite models: 15 hours
 - Lite model: 10 hours
- Battery charging time: 2 hours⁶
- AC Adapter: AC 100V-240V 50/60Hz, auto sensing/switching worldwide power supply

POWER MANAGEMENT

- Suspend/Resume Function, Hibernation, Standby

SECURITY FEATURES

- Password Security: Supervisor, User, Hard Disk Lock
- Kensington cable lock slot
- Trusted platform module (TPM) security chip v.1.2
- Persistence⁸ technology by Absolute embedded in BIOS⁷
- Optional fingerprint reader^{4,8}
- Optional insertable SmartCard reader
- Optional contactless SmartCard/RFID HF reader^{4,8}
 - 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 OPTIONS⁹

- 4G LTE multi carrier mobile broadband with satellite GPS
- Dedicated GPS (u-blox NEO-M8N)^{4,5}
- 720p webcam and digital mic⁴
- Backlit emissive keyboard
- 2nd LAN or FireWire or RJ-11 modem or dual antenna pass-through^{4,5}
- Insertable SmartCard reader
- Contactless SmartCard/RFID HF reader^{4,8}
- Fingerprint reader^{4,8}
- Hard drive heater
- 256/512GB SSD with heaters

SELECT ACCESSORIES⁹

- AC Adapter 100W (3-prong) CF-AA5713AM
- Long Life Battery Pack CF-VZSU71U
- Lightweight Battery Pack CF-VZSU72U
- Battery Charger CF-VCBTB2W
- LIND 3-Bay Battery Charger PACH329-1857-P
- LIND Car Charger 120W CF-LNDDC120
- LIND Solar Charge System PASC1580-4464
- ToughMate Always-on 53 Case TBC53AOC5-P
- ToughMate ComUniversal Carrying Case (large capacity) TBCCOMUNV-P
- ToughMate Backpack TBCBPK-P
- Memory Card 4GB CF-WMBA1304G
- Memory Card 8GB CF-WMBA1308G
- Desktop Dock CF-VEB531U
- Vehicle Docks (no pass-through)
 - Gamber-Johnson with LIND power supply 7160-0393-04-P
 - Havis with LIND power supply CF-H-PAN-412-P
- Vehicle Docks (dual pass-through)
 - Gamber-Johnson with LIND power supply 7160-0393-06-P
 - Havis with LIND power supply CF-H-PAN-412-2-P
- Cradlepoint Router
 - Verizon CP-IBR1100LPE-VZ
 - AT&T CP-IBR1100LPE-AT
- Touchscreen Stylus CF-VNP009U
- Tether CF-VNT002U
- 14.0" LCD Protector Film CF-VPF17U

Please consult your reseller or Panasonic representative before purchasing.

¹ Touchscreen model only.

² An Intel® Core™ i7 processor is also available.

³ 1GB = 1,000,000,000 bytes. Total usable memory will be less depending upon actual system configuration.

⁴ Not available on Lite model.

⁵ GPS comes standard with dual pass. GPS is not available with FireWire, RJ-11 or 2nd LAN.

⁶ 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.

⁷ Requires software and activation to enable theft protection.

⁸ Fingerprint and contactless SmartCard are mutually exclusive.

⁹ Accessories and Integrated Options may vary depending on your notebook configuration. Visit Panasonic website for more accessories and details.



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