



Panasonic recommends Windows® 7.

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 or 3G Gobi[™] Mobile Broadband

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.



3-FOOT DROP RATING MIL-STD-810G

1.800.662.3537 panasonic.com/toughbook/53

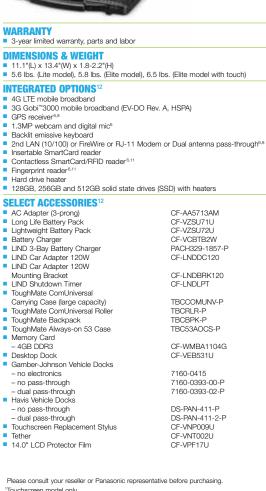


anasonic ideas for life

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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 film¹
SOFTWARE	 Genuine Windows[®] 7 Professional 32-bit² or Genuine Windows[®] 7 Professional 64-bit² Panasonic Utilities, Recovery Partition
CPU ³	 Intel® Core[™] i5-3320M vPro[™] Processor 2.6GHz with Turbo Boost up to 3.3GHz Intel Smart Cache 3MB
STORAGE & MEMORY	 4GB SDRAM (DDR3L-1333MHz), expandable to 16GB^{4,5} Shock-mounted flex-connect hard drive with quick-release 500GB 7200rpm (Elite model), 320GB 5400rpm (Lite model)⁵ Optional hard drive heater Optional hard drive heater Optional 128GB, 256GB and 512GB reinforced flex-connect SSD with heaters⁵
DISPLAY	 14.0" High Definition (720p) LED 1366 x 768 Optional touchscreen^e Panasonic CircuLumin[™] technology (2:850 nit, AR and AG screen treatments, circular polarizer) Anti-reflective and anti-glare screen treatments Video controller: Intel[®] QM77 max. 1428MB shared VRAM with 32-bit⁷ 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 holder¹ 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	Docking connector Dedicated 100-pin HDMI Type A VGA D-sub 15-pin Headphones/speaker Mini-jack stereo Microphone/line in Mini-jack stereo Serial D-sub 9-pin USB 3.0 (x 2), USB 2.0 (x 2) 4-pin 0 potional IEEE 1394a (FireWire) ^{6.8} 4-pin 10/100/1000 Ethernet RJ-45 Optional 56K Modem ^{6.8} RJ-11
WIRELESS	 Optional integrated 4G LTE mobile broadband Optional integrated 3G Gobi[™]3000 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, Hardware AES Optional dual high-gain antenna pass-through[®]
POWER SUPPLY	 Battery operation⁹ Eite model – 11 hours (long life battery) Lite model – 7 hours (lightweight battery) Battery charging time: 2 hours⁹ Long life Li-lon battery pack (10.8V, typical 6750mAh, minimum 6300mAh) Lightweight Li-lon 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 BIOS¹⁰ Intel[®] Anti-Theft Technology Optional fingerprint reade^{4:11} Optional insertable SmartCard reader Optional 13.56MHz contactless SmartCard/RFID reader^{6:11} – ISO 15693 and 14443 A/B compliant



¹Touchscreen model only.

²A full set of Windows XP drivers are available at panasonic.com/toughbook/support. 3An Intel® Core™ i7 processor is also available.

⁴Total usable memory will be less depending upon actual system configuration. ⁵1GB = 1,000,000,000 bytes.

6Not available on Lite model.

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. *GPS comes standard with dual pass. GPS is not available with FireWire, RJ-11 or 2nd LAN. ⁹Battery performance features such as charge time and life span can vary according to Dates periormalice leatures over as charge line and line space 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.

¹⁰Requires software and activation to enable theft protection ¹¹Fingerprint and contactless SmartCard are mutually exclusive.

¹²Accessories and Integrated Options may vary depending on your notebook configuration. Visit Panasonic website for more accessories and details

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