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Windows®. Life without Walls™. Panasonic recommends Windows 7.

THE TOUGHBOOK 52

The only full-power desktop replacement laptop with legendary Toughbook durability.

In your world, what falls down must start up. Panasonic's semi-rugged Toughbook® 52 leads the way in reliability and performance, whether on your desk or on the road. With a 15.4" high resolution WUXGA widescreen and discrete graphics, it's the ultimate business tool for group presentations and advanced technology to run multiple applications without a hitch. Intel® vPro™ processors add increased security and enhanced remote management, and optional Gobi™2000 3G mobile broadband lets you work seamlessly pretty much anywhere.

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TOUGHBOOK

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THE PANASONIC TOUGHBOOK 52.

SOFTWARE	• Genuine Windows® 7 Professional (32-bit)[1] or Genuine Windows® 7 Professional (64-bit)[1] • Panasonic Utilities, Recovery Partition
CPU	• Intel® Core™ i5-2540M vPro™ Processor – 2.6GHz with Turbo Boost up to 3.3GHz – Intel Smart Cache 3MB
STORAGE & MEMORY	• 4GB SDRAM (DDR3-1333MHz), expandable to 16GB[2,3] • Shock-mounted flex-connect hard drive with quick-release – 320GB 5400rpm (optional 500GB 5400rpm)[3]
DISPLAY	• 15.4" widescreen WUXGA LED 1920 x 1200 • Anti-reflective and anti-glare screen treatments • Video controllers • ATI Radeon™ HD6750M (512MB dedicated VRAM)[4] • Intel® QM67 (max. 1915MB shared VRAM for 32-bit)[4] • External video support up to 1920 x 1200 at 16.7 million colors
AUDIO	• Intel® high-definition audio compliant • Integrated stereo speakers • Convenient keyboard volume and mute controls
KEYBOARD & INPUT	• 87-key with dedicated Windows® key • Electrostatic touchpad with scrolling support
MULTIMEDIA POCKET	• DVD Super MULTI Drive with Dual Layer Support
EXPANSION SLOTS	• PC card type II x 1 • SD card (SDXC) • ExpressCard/54 x 1

INTERFACE		
	• Docking connector	Dedicated 100-pin
	• VGA	D-sub 15-pin
	• Headphones/speaker	Mini-jack stereo
	• Microphone/line in	Mini-jack stereo
	• Serial	D-sub 9-pin
	• USB 2.0 (x 4)	4-pin
	• IEEE 1394a (FireWire)	4-pin
	• 10/100/1000 Ethernet	RJ-45
	• 56K Modem	RJ-11

WIRELESS	• Optional integrated Gobi™2000 3G mobile broadband • Intel® Centrino® Advanced-N 6205 802.11a/b/g/n • Bluetooth® v2.1 + 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 SUPPLY	• Battery operation: 4 hours[5] • Long life Li-Ion battery pack (10.8V, typical 6750mAh, minimum 6300mAh) • Battery charging time: 2 hours[5] • AC Adapter: AC 100V—240V 50/60Hz, auto sensing/switching worldwide power supply • Pop-up on-screen battery status reporting
POWER MANAGEMENT	• Suspend/Resume Function, Hibernation, Standby, ACPI BIOS
SECURITY FEATURES	• Password Security: Supervisor, User, Hard Disk Lock • Cable lock slot • Trusted platform module (TPM) security chip v.1.2 • Computrace® theft protection agent[6] • Intel® Anti-Theft Technology • Fingerprint reader (option) • SmartCard reader (option)
WARRANTY	• 3-year limited warranty, parts and labor
DIMENSIONS & WEIGHT	• 11.3"(L) x 14.0"(W) x 2.0"(H) • 7.5 lbs.
INTEGRATED OPTIONS[7]	• Gobi™ 3G mobile broadband (EV-DO Rev. A, HSPA) • SmartCard reader • Fingerprint reader

- ■ *15.4" Widescreen LCD*
- ■ *Desktop-class Performance*
- ■ *Magnesium Alloy Case with Handle*
- ■ *Shock-mounted Flex-connect Hard Drive*
- ■ *Drop and Spill-resistant*
- ■ *Mobile Broadband-ready Design*

ACCESSORIES[7]

• AC Adapter (3-pin)	CF-AA5713AM
• Battery Charger	CF-VCBTB1W
• Long Life Battery Pack	CF-VZSU71U
• LIND Car Adapter 120W	CF-LNDDC120
• LIND Car Adapter 120W Mounting Bracket	CF-LNDBRK120
• LIND Shutdown Timer	CF-LNDLPT
• InfoCase ComUniversal Carrying Case (large capacity)	TBCCOMUNV-P
• InfoCase ComUniversal Roller	TBCRLR-P
• InfoCase Backpack	TBCBPK-P
• InfoCase Always-on 52 Case	TBC52AOCS-P
• Desktop Port Replicator	CF-VEB522M
• Memory Cards	
– 2GB DDR3	CF-WMBA1002G
– 4GB DDR3	CF-WMBA1004G
– 8GB DDR3	TBD
• DisplayPort to HDMI Adapter	TTDPHDMI

Please consult your reseller or Panasonic representative before purchasing.

[1] A full set of Windows XP drivers are available at panasonic.com/toughbook/support.

[2] Total usable memory will be less depending upon actual system configuration.

[3] 1GB = 1,000,000,000 bytes.

[4] 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 2283MB with 4GB of memory.

[5] 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.

[6] Requires software and activation to enable theft protection.

[7] Accessories and Integrated Options may vary depending on your notebook configuration.

1.800.662.3537 / panasonic.com/toughbook/52

Financing options now available from Panasonic Finance Solutions; please call number above for more details.

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