Panasonic
ideas for life

Panasonic recommends Windows® 7.

intel *inside*™
CORE™ **i5** vPro™

TOUGHBOOK 52

- 15.4" Widescreen Display

- Desktop-class Performance

- Magnesium Alloy Case with Handle

- Shock-mounted Flex-connect Hard Drive

- Drop and Spill-resistant

- 3G Mobile Broadband-ready Design

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

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.

1.800.662.3537
panasonic.com/toughbook/52

TOUGHBOOK®

SOLUTIONS FOR BUSINESS

SOFTWARE
- Genuine Windows® 7 Professional (32-bit)[1] or Genuine Windows® 7 Professional (64-bit)[1]
- Panasonic Utilities, Recovery Partition

CPU
- Intel® Core™ i5-3360M vPro™ Processor
  – 2.8GHz with Turbo Boost up to 3.5GHz
  – Intel Smart Cache 3MB

STORAGE & MEMORY
- 4GB SDRAM (DDR3L-1333MHz), expandable to 16GB[2,3]
- Shock-mounted flex-connect hard drive with quick-release
  – 500GB 7200rpm[3]

DISPLAY
- 15.4" widescreen WUXGA 1920 x 1200
- Anti-reflective and anti-glare screen treatments
- Video controllers
  – ATI Radeon™ HD7750M (512MB dedicated VRAM)[4]
  – Intel® QM77 (max. 1915MB shared VRAM with 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
- Keyboard volume and mute controls

KEYBOARD & INPUT
- 87-key with dedicated Windows® key
- Electrostatic touchpad with scrolling support

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
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
IEEE 1394a (FireWire)	4-pin
10/100/1000 Ethernet	RJ-45
56K Modem	RJ-11

WIRELESS
- Optional integrated 3G Gobi™2000 mobile broadband
- 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: 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

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[6]
- Intel® Anti-Theft Technology
- Optional fingerprint reader
- Optional SmartCard reader

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]
- 3G Gobi™2000 mobile broadband (EV-DO Rev. A, HSPA)
- SmartCard reader
- Fingerprint reader

SELECT ACCESSORIES[7]

AC Adapter (3-prong)	CF-AA5713AM
Lithium Ion Battery Pack	CF-VZSU71U
Battery Charger	CF-VCBTB2W
LIND 3-Bay Battery Charger	PACH329-1857-P
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 Dock	CF-VEB522M
Memory Cards	
– 4GB DDR3	CF-WMBA1104G
DisplayPort to HDMI Adapter	TTDPHDMI

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