



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

# THE TOUGHBOOK F9

## **The world's lightest 14" laptop.**

In your world, great connections are a must. No matter where your work takes you or how you get there, you need a dependable laptop that can keep up and keep you online. Panasonic's new business-rugged Toughbook® F9 sports an integrated handle for ultra-portability, and offers optional Gobi™2000 mobile broadband so you can connect anywhere a cell phone can, anywhere on the planet. And with its strong magnesium alloy case and chassis, shock-mounted flex-connect hard drive and LCD, and spill-resistant design, you can rest assured that no matter where you go, your Toughbook F9 will work right alongside you.



**TOUGHBOOK**





# THE PANASONIC TOUGHBOOK F9.

## SOFTWARE

- Genuine Windows® 7 Professional<sup>1</sup>
- Setup, Diagnostic, PC Information Viewer, Online Reference Manual, Adobe® Reader, Hard Disk Data Erase Utility, Recovery DVD, WinDVD 8, Roxio Creator® LJB

## CPU

- Intel® Core™ i5-520M vPro™ processor
  - 2.40GHz with Turbo Boost up to 2.93GHz
  - Intel® Smart Cache 3MB

## STORAGE & MEMORY

- 2GB SDRAM (DDR3-1066MHz) standard, expandable to 6GB<sup>2,3</sup>
- 320GB hard drive (shock-mounted, flex-connect and removable)<sup>4</sup>
- DVD Super MULTI Drive with Dual Layer Support

## DISPLAY

- 14.1" widescreen 1440 x 900 WXGA+ LCD
- External video support up to 1920 x 1200 at 16.7 million colors
- Intel® QM57 video controller, max. 1024MB UMA VRAM on XP<sup>5</sup>
- Anti-glare screen treatment
- LED backlighting

## AUDIO

- Intel® high-definition audio compliant
- Integrated stereo speakers
- Convenient keyboard volume controls (Fn+F5/F6 keys)

## KEYBOARD & INPUT

- 87-key with dedicated Windows® key
- Electrostatic touchpad with circular scrolling

## EXPANSION SLOTS

- PC card type II x 1 (not available with SmartCard reader)
- SD Card (SDHC)

## INTERFACE

- Docking connector 78-pin
- VGA D-sub 15-pin
- Headphones/speaker Mini-jack stereo
- Microphone/line in Mini-jack stereo
- USB 2.0 (x 3) 4-pin
- 10/100/1000 Ethernet RJ-45
- 56K Modem RJ-11

## WIRELESS

- Optional integrated Gobi™2000 mobile broadband
- Intel® Centrino® Advanced-N 6200 802.11/a/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

- Lithium ion battery pack (10.8V, typical 5800mAh, minimum 5400mAh)
- Battery operation: 7 hours<sup>6</sup>
- Battery charging time: 3.5 hours off, 5 hours on<sup>6</sup>
- 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
- Economy mode

## 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 in BIOS<sup>7</sup>
- Intel® Anti-Theft Technology
- Optional fingerprint reader
- Optional SmartCard reader (eliminates PC card slot)

## WARRANTY

- 3-year limited warranty, parts and labor

## DIMENSIONS & WEIGHT

- 9.9"(L) x 12.8"(W) x 1.0"/1.9"(H) front/rear
- 3.6 lbs.

## INTEGRATED OPTIONS<sup>8</sup>

- Gobi™2000 mobile broadband (EV-DO Rev. A, HSPA)
- SmartCard reader (eliminates PC card slot)
- Fingerprint reader

1.800.662.3537 / [panasonic.com/toughbook/F9](http://panasonic.com/toughbook/F9)

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

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- Widescreen LCD with DVD Multi Drive
- 3.6 lbs. Lightweight Design
- Magnesium Alloy Case with Handle
- Drop and Spill-resistant
- Circular Scrolling
- Mobile Broadband-ready Design

## ACCESSORIES<sup>9</sup>

- AC Adapter (3-pin) CF-AA6503AM
- Lithium Ion Battery Pack CF-VZSU56U
- LIND Car Adapter 120W CF-LNDDC120
- LIND Car Adapter 120W Mounting Bracket CF-LNDBRK120
- LIND Car/AC Adapter 90W (with USB port) CF-LNDACDC90
- LIND Shutdown Timer CF-LNDLPT
- InfoCase ComUniversal Carrying Case (large capacity) TBCCOMUNV-P
- InfoCase Business-rugged Top-loading Case TBCBRTL-P
- InfoCase ComUniversal Roller TBCRLR-P
- InfoCase Backpack TBCBPK-P
- Memory Cards
  - 2GB DDR3 CF-WMBA902GF
  - 4GB DDR3 CF-WMBA904G
- Mini Dock Box Replicator CF-VEBU08U
- Desktop Port Replicator CF-VEBF81W
- DisplayPort to HDMI Adapter TTDPHDMI

Please consult your reseller or Panasonic representative before purchasing.

<sup>1</sup>A full set of Windows XP drivers are available at [panasonic.com/toughbook/support](http://panasonic.com/toughbook/support).

<sup>2</sup>Total usable memory will be less depending upon actual system configuration.

<sup>3</sup>1GB = 1,000,000,000 bytes.

<sup>4</sup>Hard drive removal should only be attempted by a technician with the proper equipment.

<sup>5</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 max. VRAM is 763MB with 2GB of memory, or 1435MB with 4GB of memory.

<sup>6</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>7</sup>Requires software and activation to enable theft protection.

<sup>8</sup>Accessories and Integrated Options may vary depending on your notebook configuration.

**TOUGHBOOK**