



Panasonic
ideas for life



Delivering reliable products
and B2B solutions is how we're
engineering a better world.

TOUGHBOOK®

SOLUTIONS FOR BUSINESS

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TOUGHBOOK COMPUTERS FOR A TOUGH WORLD

Panasonic Toughbook® computers offer many features designed to keep both your laptop and your work safe.*



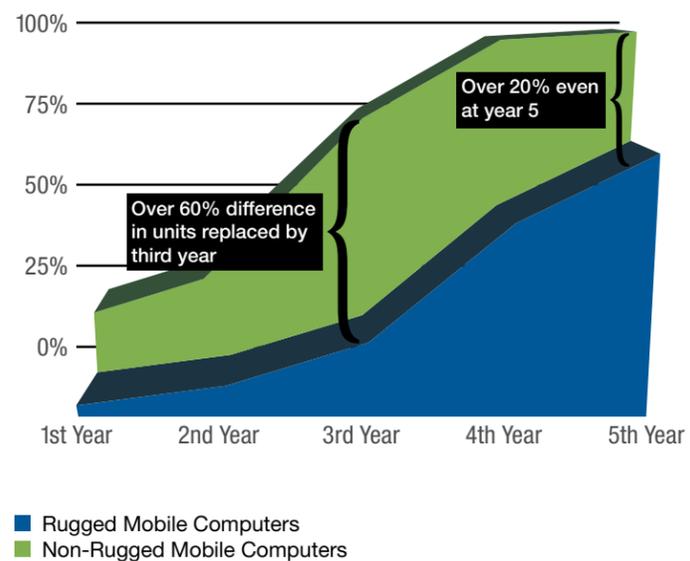
- Reinforced integrated antenna is built into the case design to protect against loss or damage
- Scratch-resistant paint on exterior keeps outer casing looking new
- Integrated GPS with WAAS correction provides accurate readings in all weather conditions
- Magnesium alloy case protects against bumps, drops and knocks
- Internal dampers and seals prevent component damage
- Screen film protects touch-screen from scratches and wear
- Sealed LCD provides extra protection against moisture and dust
- Panasonic CircuLumin™ and TransfectivePlus technologies provide easily readable displays in all conditions including direct sun
- Fully-sealed hinges are dust and water-resistant
- Optional SmartCard reader ensures authenticated user access
- Optional backlit keyboard for easy use during nighttime without impairing night vision
- Hard drive heater enables operation in extreme cold without fear of damage
- Hybrid cooling system and fanless designs utilize heat pipes to keep out water and dust, reduce weight and allow use in extreme temperatures
- Flexible connectors between the hard drive and system board protect against the transfer of shock from drops and bumps
- Environmental seals protect the multimedia pocket, PC card slots and all ports and connectors from moisture and dust
- Optional fingerprint reader for added security
- Encased quick-release hard drive is shock-mounted to insulate against vibration and drop-shock
- Sealed keyboard and touchpad protect against damage from spills and inclement weather
- Carry handle helps prevent accidental drops

*Rugged features vary by model. See product specs for details.

THE TOUGHBOOK ADVANTAGE

Ruggedness and reliability are the standard for wireless mobile PCs, and Panasonic Toughbook® computers are built to survive it.

CUMULATIVE REPLACEMENT RATES



Core Manufacturer

We are the only major manufacturer that designs, builds and tests our laptops and most key components in our own factory. This allows us to control quality, consistency and parts availability every step of the way.

Lower Total Cost of Ownership

Lower failure rates mean fewer repair expenses and less downtime. Rugged computers average better than 20% lower total cost of ownership over five years compared to commercial-grade notebooks. That translates to hundreds of dollars per unit.

Minimized Downtime

Panasonic's world-class service and support ensure that Toughbook repair time will be minimal.

- 3-year limited international warranty on notebook PCs (compared to the one-year warranty offered by most commercial-grade PC manufacturers)
- 24/7 technical support hotline 1.800.LAPTOP5 (1.800.527.8675)
- Receive user-replaceable parts and repairs for all in-warranty computers
- Industry benchmark turnaround time on repairs
- In-warranty repair with no charge for shipping from our National Service Center
- Website support including FAQs, downloadable drivers, first aid tools, BIOS, utilities and manuals

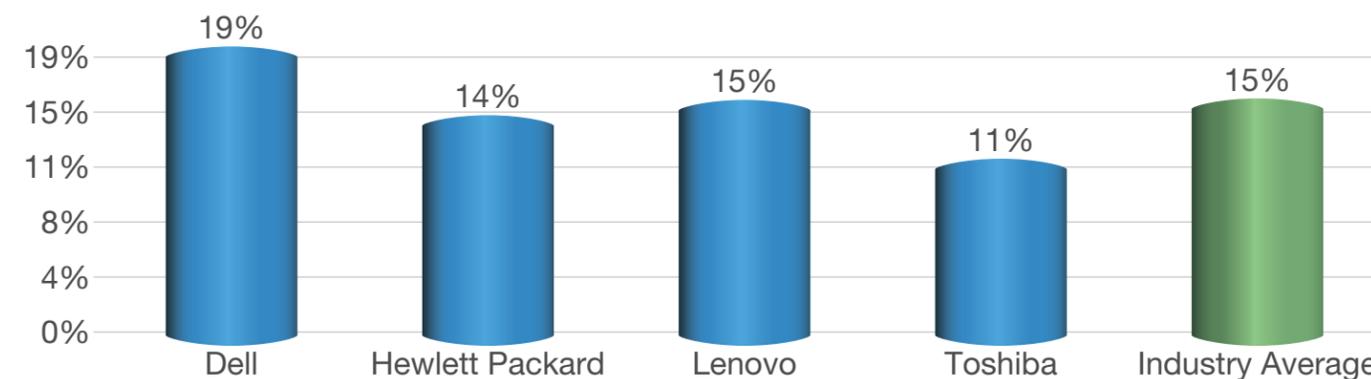
PUTTING THE TOUGH IN TOUGHBOOK

Reliability

Because we use superior materials and are a core manufacturer, Panasonic Toughbook® computers are more than 6 times more reliable than standard notebooks.*

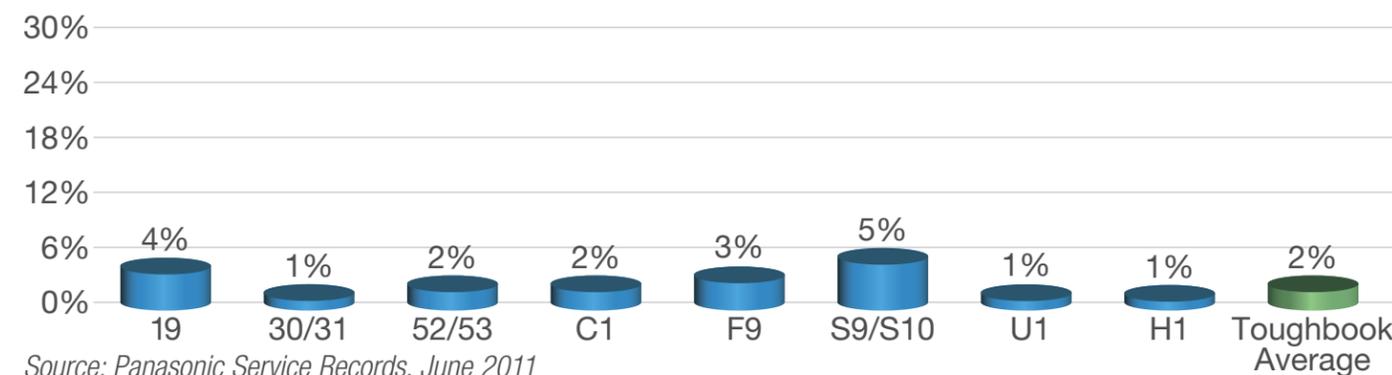
*Comparing Panasonic actual data for Toughbook laptops to PC Magazine reader-reported data for competitors.

INDUSTRY AVERAGE FAILURE RATE



Source: PC Magazine, May 2011

TOUGHBOOK ANNUALIZED FAILURE RATE



Source: Panasonic Service Records, June 2011



WIRELESS BUILT IN— ALWAYS ON AND ALWAYS CONNECTED

In today's business environment, staying connected is no longer a luxury. It's the new standard for doing business.

That's why more and more mobile professionals in every industry are turning to the reliability and world-class wireless performance of Panasonic Toughbook® computers. Never fully duplicated or replicated, all Toughbook mobile PCs feature embedded Wi-Fi and optional embedded wireless mobile broadband, delivering the “always on” connectivity demanded by the hectic, mobile lifestyles of today's workforce.

Panasonic has spent over a decade perfecting the placement of antennas and components to ensure maximum wireless performance and provide a superior solution to competitors' embedded offerings. With this design built into the rugged and reliable Toughbook computer, your bridge to your network couldn't be stronger. Embedded wireless solutions are more dependable and versatile than the wireless card that laptop users typically rely on. Here are some of the advantages:

THE TOUGHBOOK ANSWER TO WIRELESS	
TOUGHBOOK EMBEDDED WIRELESS SOLUTION	PC CARD SOLUTION
Three-year warranty	One-year warranty
Integrated antenna located on top of the LCD provides better sensitivity and therefore better signal strength	External antenna located in PC card slot is smaller in size and therefore decreases signal strength
Antenna covered under three-year warranty	No warranty for antenna breakage or loss
The modem integrates with the computer and operating system to take advantage of power-saving options	Reduction in battery life as PC card slots are always on when a card is plugged into them
Built-in modem is always in the computer and never needs to be inserted or removed. Wireless-ready means you can choose to install the modem anytime after purchase	PC cards must constantly be inserted and removed from the laptop, which creates wear and tear on the connector. This can also lend itself to loss or damage to the laptop, or difficulty using when laptop must remain in a docking station in a vehicle

Toughbook® computers have been tested to work on leading 3G and 4G (select models) wireless networks, including AT&T, Sprint and Verizon Wireless. Panasonic Toughbook computers with 3G Gobi™ or 4G LTE offer built-in technology to give you the durability, flexibility and performance you need. You can work in challenging environments with the freedom and flexibility you've been waiting for. Whatever your job, however hectic your lifestyle, Panasonic has the right wireless product to meet your mobile computing needs and ensure reliable data transmission in even the most extreme conditions.

ADDITIONAL TOUGHBOOK INITIATIVES AND SOLUTIONS

Eco-friendly Initiatives

By its 100th anniversary in 2018, Panasonic aims to be the No.1 Green Innovation Company in the Electronics Industry. Our mission to continually minimize impact on the Earth is outlined in the Green Plan 2018, a document that outlines concrete initiatives all Panasonic Group employees should carry out in order to make the environment central to all business activities.

Finance Solutions

The reliability and long life cycle of Toughbook mobile computers help organizations maintain their competitive edge, but today's economy can make technological updates a challenge. To help companies fulfill their mobile computing needs, Panasonic offers a range of flexible and attractive financing options.

THE BUSINESS-RUGGED PANASONIC TOUGHBOOK C1



TOUGHBOOK C1

- World's lightest 12.1" convertible tablet PC
- Supports electronic stylus (select models), touch and gestures
- Hot-swappable twin battery design
- Durable triple hinge design with screen rotation lock
- Ergonomic strap
- Drop and spill-resistant



Introducing the Panasonic Toughbook® C1, the world's lightest 12.1" convertible tablet PC, with an array of industry-leading performance advancements for reliable long-term use. Multi touch screen (or available multi + digitizer screen), webcam, dual array microphone, hot-swappable twin battery design and a revolutionary triple hinge design deliver superior computing performance.

- Intel® Core™ i5 vPro™ processor
- Genuine Windows® 7 Professional¹
- 3.28 lbs. (3.78 lbs. with optional 2nd battery)
- 6-hour battery life (12 hours with optional 2nd battery)
- Dual array mic and webcam
- Wi-Fi, Bluetooth® and optional 3G Gobi™ or 4G LTE mobile broadband

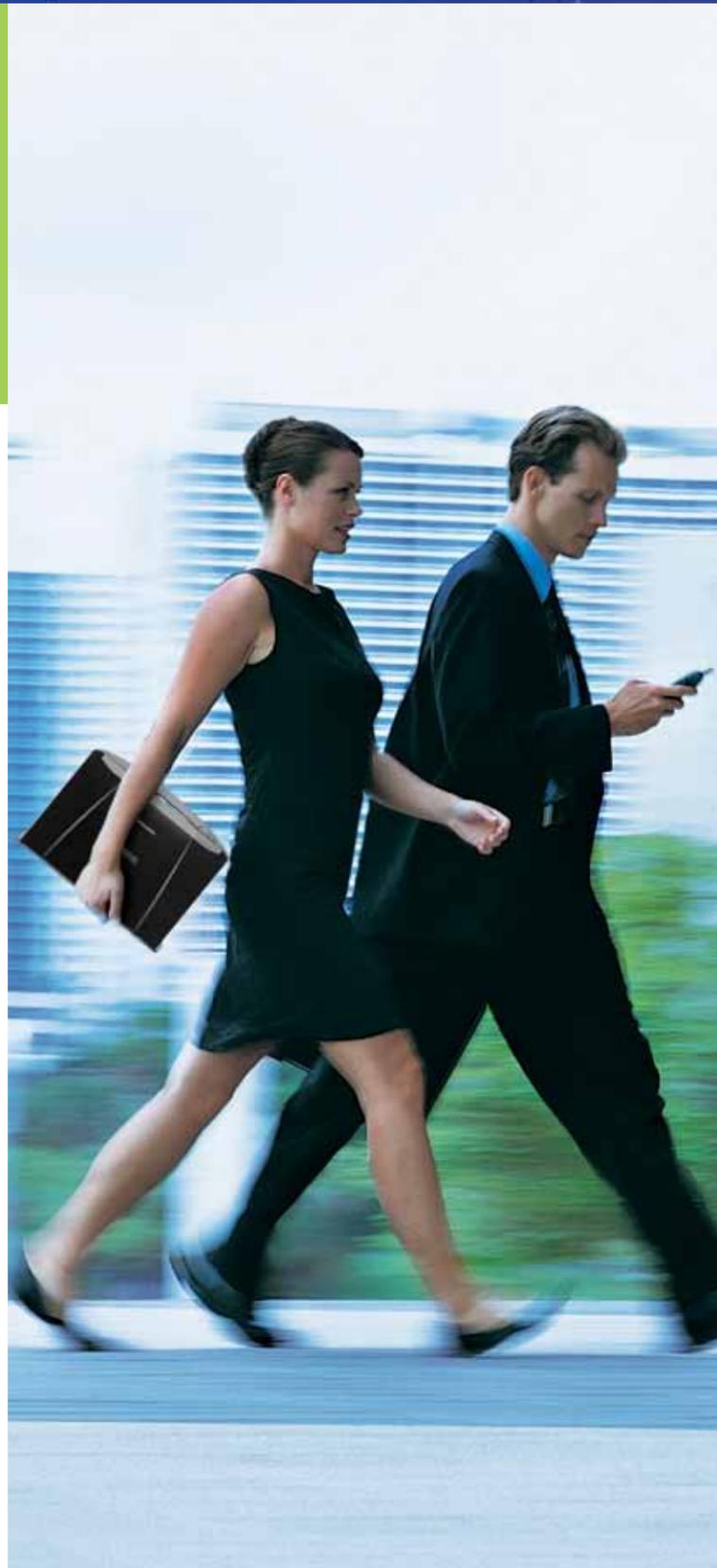


THE BUSINESS-RUGGED PANASONIC TOUGHBOOK F9



TOUGHBOOK F9

- The world's lightest 14" laptop
- Circular scrolling touchpad
- Drop and spill-resistant
- Magnesium alloy case with handle



The Panasonic Toughbook® F9 is the world's lightest laptop with a 14" LCD. With its widescreen LCD, handle, unique circular scrolling touchpad and legendary Toughbook durability, the Toughbook F9 is designed for optimal productivity on the road or in the office.

- Intel® Core™ i5 vPro™ processor
- Genuine Windows® 7 Professional¹
- 3.6 lbs.
- 7-hour battery life
- DVD drive
- Wi-Fi, Bluetooth® and optional 3G Gobi™ mobile broadband

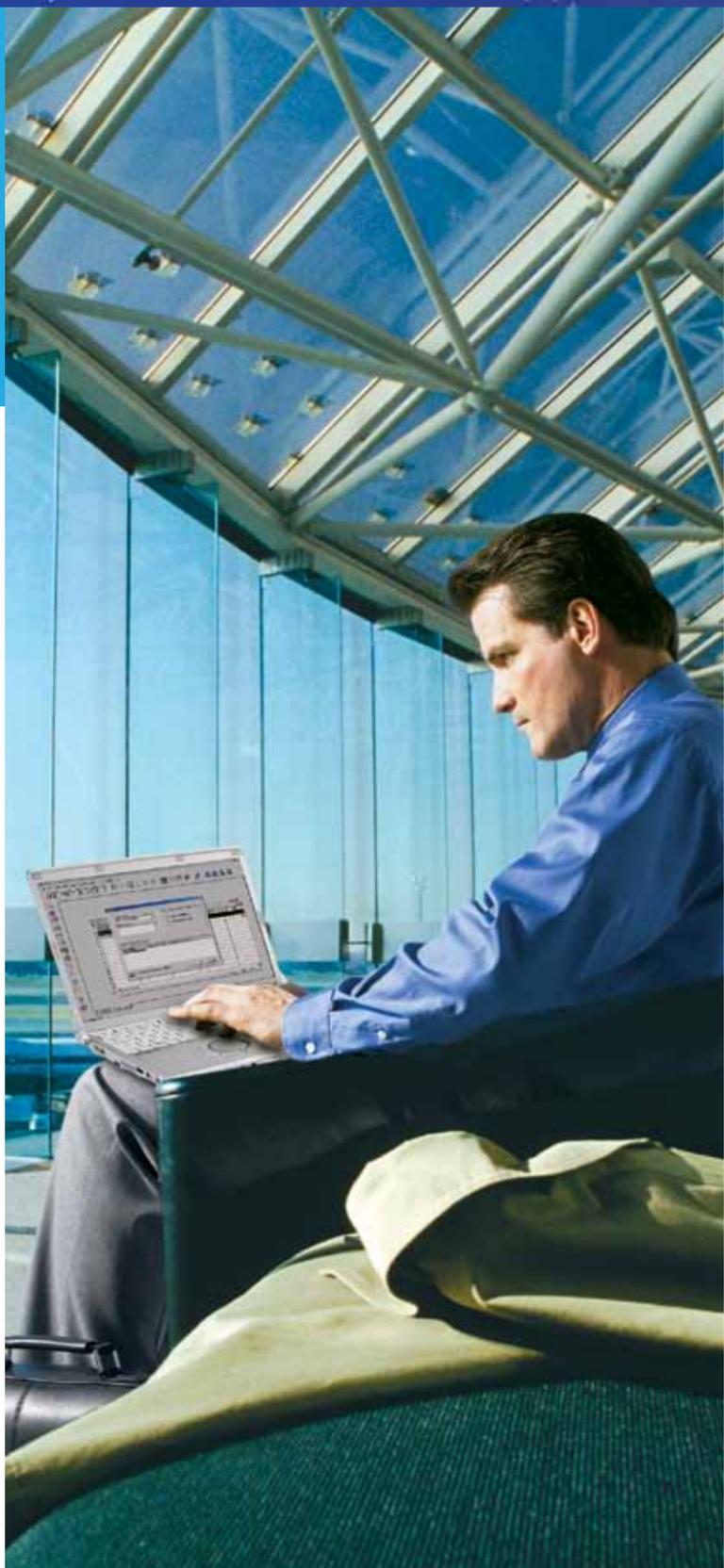


THE BUSINESS-RUGGED PANASONIC TOUGHBOOK S10



TOUGHBOOK S10

- Longest standard battery life in its class
- 12.1" widescreen display
- HDMI and VGA video outputs
- USB 3.0 port for faster file transfer speeds
- Drop and spill-resistant



Introducing the world's lightest 12.1" laptop with a DVD drive, the 3.0 lb. Panasonic Toughbook® S10. With an amazing 12.5 hours of battery life, Wi-Fi, Bluetooth® and optional 3G Gobi™ mobile broadband, the Toughbook S10 was designed for the mobile professional.

- Intel® Core™ i5 vPro™ processor
- Genuine Windows® 7 Professional¹
- 3.0 lbs. with 12.5 hours of battery life
- DVD drive
- Wi-Fi, Bluetooth® and optional 3G Gobi™ mobile broadband



THE SEMI-RUGGED PANASONIC TOUGHBOOK 52



TOUGHBOOK 52

- Desktop class performance
- 15.4" widescreen WUXGA display
- Quick-release shock-mounted hard drive
- Drop and spill-resistant
- Magnesium alloy case with handle



The Panasonic Toughbook® 52 is a reliable wireless desktop replacement that offers optional embedded 3G Gobi™ mobile broadband to stay connected at the office or on the road. It features a generous 15.4" widescreen for enhanced productivity.

- Intel® Core™ i5 vPro™ processor
- Genuine Windows® 7 Professional¹
- 7.5 lbs.
- DVD drive
- Wi-Fi, Bluetooth® and optional 3G Gobi™ mobile broadband

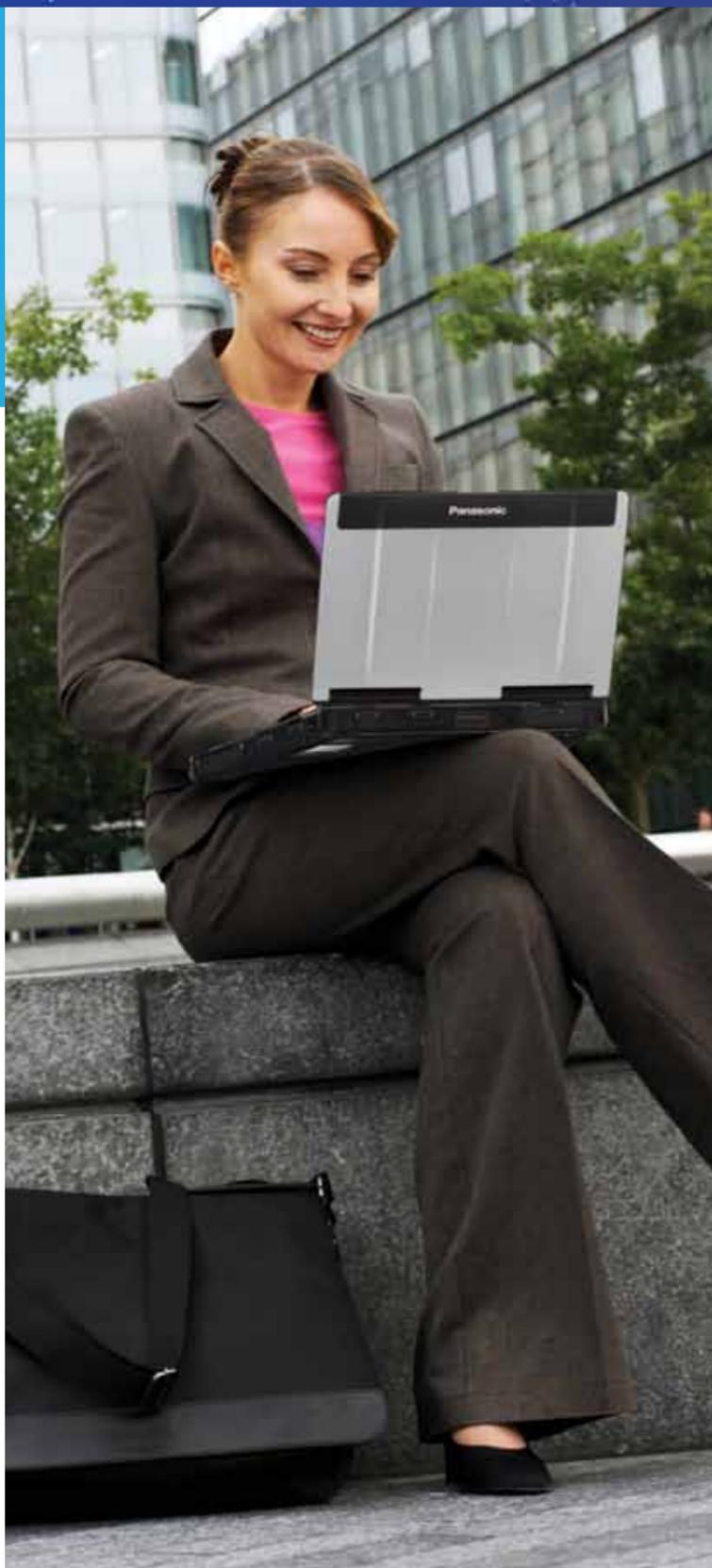


THE SEMI-RUGGED PANASONIC TOUGHBOOK 53



TOUGHBOOK 53

- 14" high definition widescreen
- Optional sunlight-viewable touchscreen
- Oversized touchpad with multi touch
- Quick-release shock-mounted hard drive
- Magnesium alloy case with handle



With a 14" HD LED display, the latest Intel® Core™ processors and an oversized multi touch touchpad, the Panasonic Toughbook® 53 performs like a desktop. Options for a sunlight-viewable Panasonic CircuLumin™ touchscreen, backlit keyboard, 4G LTE mobile broadband, an integrated webcam and enhanced connectivity make this the most versatile semi-rugged PC ever.

- Intel® Core™ i5 vPro™ or i3 processors
- Genuine Windows® 7 Professional¹
- 5.6-6.5 lbs.
- 10-hour battery life (i5 models)
- DVD drive
- Wi-Fi, Bluetooth® and optional 3G Gobi™ or 4G LTE mobile broadband



3-FOOT
DROP RATING

MIL-STD-
810G

THE FULLY-RUGGED PANASONIC TOUGHBOOK 19



TOUGHBOOK 19

- 10.1" display swivels from laptop to tablet
- Touchscreen or dual touch models
- Sunlight-viewable up to 6000 nit in direct sunlight
- Optional 3MP camera
- Quick-release shock-mounted hard drive
- Full magnesium alloy case with hand strap



The convertible Panasonic Toughbook® 19 is tough times two. It easily converts from a powerful notebook PC to a convenient tablet PC with one quick swivel. It's wireless and fully-rugged either way. Plus, it's powered with an Intel® Core™ i5 vPro™ processor for breakthrough performance and maximum unwired freedom.

- Intel® Core™ i5 vPro™ processor
- Genuine Windows® 7 Professional¹
- 5.1 lbs.
- 8.5-hour battery life
- Wi-Fi, Bluetooth® and optional 3G Gobi™ or 4G LTE mobile broadband



IP65

**6-FOOT
DROP RATING**

**MIL-STD-
810G**

THE FULLY-RUGGED PANASONIC TOUGHBOOK 31



TOUGHBOOK 31

- Desktop class performance
- 13.1" sunlight-viewable 1200 nit touchscreen
- Optional webcam and backlit keyboard
- Quick-release shock-mounted hard drive
- Full magnesium alloy case with handle



Introducing the Panasonic Toughbook® 31, the reliable laptop offering the highest performance in its class along with the world's most rugged design. Available with discrete graphics, it delivers improved video/3D graphics. With 11 years of docking compatibility, you have a computer that always goes the distance with you anytime, anywhere.

- Intel® Core™ i5 vPro™ or i3 processors
- Genuine Windows® 7 Professional¹
- 7.9-8.2 lbs.
- 8.5-hour battery life—20 hours with optional 2nd battery
- Optional DVD drive
- Wi-Fi, Bluetooth® and optional 3G Gobi™ or 4G LTE mobile broadband



IP65

**6-FOOT
DROP RATING**

**MIL-STD-
810G**

THE ULTRA-MOBILE- RUGGED PANASONIC TOUGHBOOK H2



TOUGHBOOK H2

- 10.1" dual touch display
- Sunlight-viewable up to 6000 nit in direct sunlight
- USB, serial and Ethernet ports
- Hot-swappable twin batteries
- Available built-in camera, RFID and SmartCard and barcode readers
- Ergonomic strap and integrated handle



The rugged Panasonic Toughbook® H2 handheld tablet PC is the ultimate productivity tool for mobile workers. With superior ergonomics, a brilliant 10.1" sunlight-viewable screen capable of up to 6000 nit in direct sun, sealed all-weather design and hot-swappable twin batteries, the Toughbook H2 lets you work virtually anywhere.

- Intel® Core™ i5 vPro™ processor
- Genuine Windows® 7 Professional¹
- 3.5 lbs.
- 6.5-hour battery life
- Wi-Fi, Bluetooth® and optional 3G Gobi™ or 4G LTE mobile broadband



IP65

**6-FOOT
DROP RATING**

**MIL-STD-
810G**

THE ULTRA-MOBILE- RUGGED PANASONIC TOUGHBOOK U1 ULTRA



The Panasonic Toughbook® U1 Ultra features a brilliant screen capable of up to 6000 nit in direct sunlight, and can automatically adjust its screen brightness to fit its environment. Genuine Windows® 7 Professional¹ support means an easier-to-use interface and more off-the-shelf commercial applications than any OS on the planet.

- Intel® processor
- Genuine Windows® 7 Professional¹
- 2.3 lbs.
- 9-hour battery life
- Wi-Fi, Bluetooth® and optional 3G Gobi™ mobile broadband



TOUGHBOOK U1 ULTRA

- 5.6" touchscreen display
- Sunlight-viewable up to 6000 nit in direct sunlight
- Hot-swappable twin batteries
- Optional built-in camera, GPS and barcode and fingerprint readers
- Numeric and QWERTY keyboard options
- Ergonomic strap



*Screen image is for demonstration purposes only.

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6-FOOT
DROP RATING

MIL-STD-
810G



*Shown with optional numeric keyboard.

THE FULLY-RUGGED PANASONIC TOUGHPAD A1



TOUGHPAD A1

- 10.1" daylight-readable multi touch + digitizer display
- Supports electronic stylus, touch and gestures
- Embedded hardware and software security
- All-weather magnesium alloy chassis
- 3-year warranty



Introducing the new Android™-powered Panasonic Toughpad™ A1 —the fearless new business tablet that goes where no tablet has ever gone before. Combining data and device security, seamless connectivity, enterprise-minded technology and a long legacy of rugged and reliable computing, the new Toughpad A1 is the perfect melding of mind and muscle.

- Marvell® dual-core processor
- Android™ 3.2
- 2.1 lbs.
- 10-hour battery life (real-world)
- Wi-Fi hotspot router supports up to 5 devices
- GPS, Wi-Fi, Bluetooth® and optional 4G LTE mobile broadband



TOUGHPAD

IP65

MIL-STD-810G



Toughpad B1
COMING FALL 2012

THE RUGGED ARBITRATOR 360°



ARBITRATOR 360°

- Fully-integrated system for video capture, storage, transfer and video management
- Unparalleled 360° recording and viewing
- Temperature, vibration and dust-resistant



The Arbitrator 360™ is the world's most advanced and reliable incident documentation system. Durable and fully-integrated, it offers unparalleled video capture, storage and transfer—and is designed to work with back-end software for seamless video management, including archiving and retrieving. The Arbitrator is tamper-resistant, so its recordings are secure and offer an unbiased account of events.

- Wide-angle lens and 220x zoom maximize field of view
- Low light technology for viewing in darkness
- Up to 128GB of storage (SDHC) and up to 2,592 hours of recording
- Use with optional control panel (3.5" LCD) or connected to a Toughbook laptop



THE PANASONIC TOUGHBOOK PDRC

A Permanent Display Removable Computer for mobile workers, the PDRC combines the reliability of a vehicle-mounted display and full-size keyboard system with the flexibility of a notebook PC that you can carry anywhere. The backlit keyboard and ToughScreen™ display ensure optimum readability, day or night.



THE PANASONIC TOUGHBOOK PDRC

- 12.1" incredibly bright, fully adjustable 1600 nit sunlight-viewable ToughScreen™ LCD
- Spill-resistant backlit keyboard with touchpad
- Usable with in-cab or trunk-mounted Toughbook PCs
- Compatible with the Toughbook 19, Toughbook 31, Toughbook H2 or Toughbook U1 Ultra

- Full magnesium alloy case
- Red backlit programmable emergency key on display and keyboard
- Remote Power ON/OFF key turns the power on and returns screen to exactly where you left off, or immediately blanks screen
- Low power consumption, even with vehicle off or idling
- Dual integrated speakers with adjustable volume

For more information or to purchase Panasonic Toughbook mobile computers:

Call: 1.800.662.3537

Email: toughbook_sales_support@us.panasonic.com

Visit: panasonic.com/toughbook

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

² Tested by a national independent third party lab following MIL-STD-810G Method 516.6 Procedure IV for transit drop test.

³ Tested by a national independent third party lab following IEC 60529 Sections 13.4, 13.6.2, 14.2.5 and 14.3.





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