

Panasonic recommends Windows.

Panasonic



**THE FUTURE IS
READY FOR ANYTHING.**

**NATIONAL IPA**TM
EXPERIENCED * FOCUSED * TRUSTED

TOUGHPAD[®]

TOUGHBOOK[®]

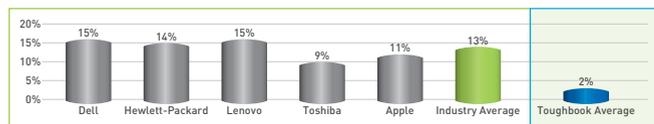
THE PANASONIC ADVANTAGE

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

INDUSTRY AVERAGE FAILURE RATE

Panasonic computers are over six times more reliable than the average computer used by businesses across America.*

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



Source: *PC Magazine*, January 2013

Source: Panasonic Service Records, January 2013

In addition, when comparing rugged computers specifically, Panasonic failure rates are more than 80% lower than other rugged PCs in the first 2 years (0.6% vs. 4%), with users also reporting 32% fewer expensive screen repairs, 19% fewer outer case repairs and 16% fewer critical hard drive repairs. Panasonic users are also 60% more likely to have a rugged computer for five years, dramatically increasing ROI.

Source: Technology Business Research, April 2013

CORE MANUFACTURER

Panasonic is the only major manufacturer that designs, builds and tests its laptops and most components in its own factory. This allows Panasonic to control quality, consistency and parts availability every step of the way.

COMMITMENT TO R&D

Through extensive research and development, Panasonic continues to improve current products and develop the next-generation, cutting-edge technology that enables customers to succeed in some of the world's most demanding environments.

- Over 2,500 engineers across six factories all focused on innovation
- Among the top 20 investors in research and development
- Hundreds of U.S. technology and process patents have been secured

GREATER CUSTOMER SATISFACTION, MORE DEPLOYMENTS

With 95 years of serving customers, 20 years of computer expertise and industry-leading customer loyalty, Panasonic achieves more rugged PC deployments at larger organizations than any other brand.

- Panasonic's mean rugged PC install base is nearly double the industry average
- 88% of Panasonic Toughbook customers are highly likely to make a repeat purchase based on satisfaction with repair rates

Source: Technology Business Research, April 2013

SOLUTIONS FOR EVERY INDUSTRY

Through its broad range of integrated business technology solutions, Panasonic empowers professionals to do their best work. Customers in government, healthcare, production, education and a wide variety of commercial enterprises, large and small, depend on Panasonic to reach their full potential, achieve a competitive advantage and improve outcomes.

- Panasonic offers a complete suite of products and solutions to address all customers' business needs:
 - Computers and tablets
 - Document management and imaging
 - Medical imaging
 - POS and wireless headsets
 - Professional displays
 - Professional video
 - Projectors
 - Unified communications
 - Video surveillance
- All Toughbook computers and Toughpad tablets are available as TAA-compliant models and approved for government deployment.
- Panasonic and its partners design a wide assortment of heavy-duty docks, mounts and other peripherals—including readers, printers and magstripe readers—to expand and enhance Toughbook and Toughpad capabilities.
- Panasonic values keeping backward compatibility with vehicle docks from previous models to allow customers to save the expense and hassle of replacing vehicle docks every time a new model is introduced. For instance, the Toughbook 19 and Toughbook 31 can use the same vehicle dock from 14 and 16 years ago, respectively.

MINIMIZED DOWNTIME

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

- Three-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)
- 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
- 45-second average hold time
- U.S.-based call centers
- 7-year parts commitment after product end of life

TOUHPAD®

TOUGHBOOK®

Panasonic recommends Windows.



TOUGHPAD FZ-Q1

The Toughpad Q1 is a semi-rugged tablet specifically designed for working away from the traditional office setting. Featuring shock-absorbing technology, a serviceable-battery, fanless design, magnesium chassis, three-year warranty and resistance to dust and dirt giving it the durability and lower total cost of ownership you need.

The first business tablet that doesn't mind getting dirty

IT'S TOUGH

- Semi-rugged fanless design for dust and dirt resistance
- 12.5" full HD 1080p multi touch display
- Serviceable SSD and 9-hour battery life*
- 2.3 lbs.
- Optional attachable backlit keyboard with handle

*Toughpad FZ-Q1 battery and SSD are serviceable by trained and authorized professionals only. Please contact a Panasonic representative for program details.

IT'S VERSATILE

- Optional insertable and contactless SmartCard readers
- Stable product life cycle ideal for long term deployments and custom development
- Optional 4G LTE multi carrier mobile broadband with satellite GPS

TOUGHPAD FZ-G1

The Panasonic Toughpad FZ-G1 Windows tablet offers a fluid user experience while providing crucial port connectivity and feature rich options in a compact size. Powered by an Intel® Core™ i5 vPro™ processor, the Toughpad FZ-G1 tablet leads the way in rugged mobile computing. Add to that an HD daylight-readable multi touch + digitizer display, and it becomes an essential tool for field workers.



The world's thinnest and lightest fully rugged 10.1" Windows tablet

IT'S TOUGH

- 10.1" daylight-readable gloved multi touch + digitizer
- Solid state drive with heater
- Optional rotating hand strap
- 2.4 lbs.
- User-replaceable battery, optional bridge battery and long life battery
- 13-hour battery life (26 hours with optional long life battery)
- Optional ANSI hazardous location model

IT'S VERSATILE

- Windows 8.1 Pro or Windows 7 Professional
- Intel® Core™ i5 vPro™ processor
- Webcam and 8MP rear camera with auto focus and LED light
- Optional barcode, SmartCard, magstripe and UHF RFID readers
- USB 3.0 + HDMI ports, with optional serial, Ethernet, MicroSD or 2nd USB port
- Wi-Fi, Bluetooth® and optional dedicated GPS or 4G LTE multi carrier with satellite GPS



TOUGHPAD FZ-M1 & TOUGHPAD FZ-B2

The Toughpad FZ-M1 (Windows 8.1 Pro or Windows 7 Professional [i5 model]) and the Toughpad FZ-B2 (Android™ 4.4.4) are fully rugged 7" tablets built to enable field-based worker productivity without compromise. Powered by an Intel processor, they feature a user-replaceable battery and a daylight-readable, high-sensitivity multi touch display. With the broadest range of configuration options available in their class, these highly customizable tablets are the ideal tool for today's mobile workforce.

Fully rugged 7" tablets

IT'S TOUGH

- 7" multi touch display
- Daylight-readable screen up to 500 nit
- Optional hand strap or rotating hand strap
- 1.2 lbs.
- User-replaceable battery, bridge battery and optional long life battery
- FZ-M1: 8-hour hot-swappable battery (16 w/opt long life battery)
- FZ-B2: 7-hour hot-swappable battery (14 w/opt long life battery)

IT'S VERSATILE

- Webcam and rear camera with auto focus and LED light
- Both models come with one USB port, and the FZ-M1 has an optional second USB port
- Optional NFC (FZ-M1), Ethernet, serial (FZ-M1), UHF RFID (FZ-M1), SmartCard, magstripe and barcode readers
- Wi-Fi, Bluetooth® and optional dedicated GPS (FZ-M1) or 4G LTE multi carrier with satellite GPS

TOUGHPAD FZ-E1 & TOUGHPAD FZ-X1

The Toughpad FZ-E1 (Windows Embedded 8.1 Handheld) and FZ-X1 (Android™ 4.2.2) handheld tablets are available in Wi-Fi only models or data and voice models. These fully rugged tablets are MIL-STD-810G and IP65/68 tested with a 10' drop resistance, operating temperature of -4°F to 140°F and a gloved multi touch daylight-readable display.

The world's most rugged 5" handheld tablets

IT'S TOUGH

- 5" daylight-readable gloved multi touch display
- 0.9 lbs.
- 14-hour (continuous use) hot-swappable battery
- Optional ANSI hazardous location model

IT'S VERSATILE

- Data and voice technology
- Qualcomm® Quad-core processors
- Loud 100 dB twin speakers
- Integrated barcode reader and optional magstripe readers
- Webcam and 8MP rear camera with auto focus and LED light
- Wi-Fi, Bluetooth®, NFC and dedicated GPS





IP65

MIL-STD-810G

TOUGHBOOK 20

The Toughbook® 20 is a fully rugged, lightweight laptop that easily detaches to become a 10.1" tablet. The detachable laptop features a durable MIL-STD-810G and IP65 design along with a magnesium alloy chassis, so it can take the abuse of most any job site. At only 3.9 pounds, this 2-in-1 machine is good on the go.

The world's first fully rugged detachable laptop

IT'S TOUGH

- 10.1" Sunlight-viewable 800 nit multi touch display, that works with or without gloves
- 3.9 lbs.
- Optional bridge battery allows hot swap battery replacement for continuous use
- Magnesium alloy chassis encased with ABS and elastomer edges
- Built-in dual purpose handle that functions as a kickstand

IT'S VERSATILE

- Windows 10 Pro or Windows 7 Professional
- Intel® Core™ m5 vPro™ processor
- Optional 2nd battery, SmartCard, barcode, magstripe, fingerprint, and serial options
- Quickly transforms from a laptop into a fully functioning tablet with just one hand
- Wi-Fi, Bluetooth® and optional dedicated GPS or 4G LTE multi carrier with satellite GPS

TOUGHBOOK 19

The 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.

Rugged, lightweight, wireless and convertible

IT'S TOUGH

- 10.1" sunlight-viewable multi touch or multi touch + digitizer display
- Up to 6000 nit in direct sunlight
- Full magnesium alloy case with hand strap
- Shock-mounted hard drive with quick-release
- Up to 10-hour battery life
- Optional ANSI hazardous location model

IT'S VERSATILE

- Windows 8.1 Pro or Windows 7 Professional
- Intel® Core™ i5 vPro™ processor
- Up to 16GB of memory
- Converts from laptop to a tablet with one hand
- Optional 5MP bottom camera, backlit keyboard, SmartCard and fingerprint readers
- Wi-Fi, Bluetooth® and optional dedicated GPS or 4G LTE multi carrier with satellite GPS



IP65

6-FOOT DROP RATING

MIL-STD-810G



TOUGHBOOK C2

The Panasonic Toughbook C2 provides an amazing 14 hours of battery life (19 hours with optional long life battery) and weighs just 3.99 lbs. The 12.5" convertible tablet features an array of industry-leading advancements, such as being the only convertible tablet in its class to offer a durable triple hinge design, as well as a unique bridge battery for continuous use by enabling hot-swappable battery replacement without disruption.

Longest standard battery life in its class

IT'S TOUGH

- 12.5" daylight-readable multi touch or multi touch + digitizer display
- Magnesium alloy case with hand strap
- Rugged triple hinge design
- Shock-mounted hard drive with quick-release
- Drop and spill-resistant
- 3.99 lbs.
- 14-hour hot-swappable battery (19 hours with long life battery)

IT'S VERSATILE

- Windows 8.1 Pro or Windows 7 Professional
- Intel® Core™ i5 vPro™ processor
- Available NFC, 5MP bottom camera, serial, VGA, fingerprint, RJ-11 modem, barcode and SmartCard readers
- Wi-Fi, Bluetooth® and optional 4G LTE multi carrier with satellite GPS

TOUGHBOOK 53

In 1998, Panasonic created the first semi-rugged computer. Today the Toughbook 53 features a 14" HD LED display, the latest Intel® Core™ processors and a multi touch touchpad. Options for a sunlight-viewable Panasonic CircuLumin™ touchscreen, backlit keyboard, dedicated GPS, 4G LTE multi carrier with satellite GPS, integrated webcam, and choice of insertable or contactless SmartCard reader make this the most versatile semi-rugged PC ever.

Enhanced performance and versatility from the original semi-rugged laptop manufacturer

IT'S TOUGH

- Available 14" daylight-readable touch screen
- Magnesium alloy case with handle
- Shock-mounted hard drive with quick-release
- Drop and spill-resistant
- Up to 15-hour battery life

IT'S VERSATILE

- Windows 8.1 Pro or Windows 7 Professional
- Intel® Core™ i5 vPro™ processor
- Up to 16GB of memory
- Multi touch touchpad
- DVD drive and optional backlit keyboard
- Wi-Fi, Bluetooth® and optional dedicated GPS or 4G LTE multi carrier with satellite GPS



3-FOOT DROP RATING

MIL-STD-810G



TOUGHBOOK 54

This reliable, wireless desktop replacement features a large widescreen display for enhanced productivity, and advanced technology for speed and security.

The world's lightest and thinnest semi-rugged laptop in its class

IT'S TOUGH

- 14" HD (768p) and FHD (1080p) displays
- Available daylight-readable 1000 nit gloved multi touch display
- Magnesium alloy case with handle
- Shock-mounted hard drive with quick release
- Backlit emissive keyboard
- Up to 11-hour battery life (18 hours with optional long life battery)

IT'S VERSATILE

- Windows 8.1 Pro or Windows 7 Professional
- Intel® Core™ i5 vPro™ processor
- Up to 16GB of memory
- Available Performance model with discrete graphics and dual fans
- Optional second drive, hot-swappable second battery, second LAN, serial, DVD, antenna pass-through, SmartCard readers and more
- Wi-Fi, Bluetooth® and optional dedicated GPS or 4G LTE multi carrier with satellite GPS

IP51

**3-FOOT
DROP RATING**

MIL-STD-810G

TOUGHBOOK 31

The Toughbook 31 is a reliable laptop offering the highest performance in its class along with the world's most rugged design. With 15 years of docking compatibility, you have a computer that always goes the distance with you—anytime, anywhere.

Powerful, rugged and wireless

IT'S TOUGH

- 13.1" sunlight-viewable 1200 nit touchscreen
- Full magnesium alloy case with handle
- Shock-mounted hard drive with quick-release
- Backlit emissive keyboard
- 18-hour battery life (27 hours with optional media bay second battery)
- Optional ANSI hazardous location model

IT'S VERSATILE

- Windows 8.1 Pro or Windows 7 Professional
- Intel® Core™ i5 vPro™ processor
- Up to 16GB of memory
- Optional DVD drive, webcam, second LAN, SmartCard and fingerprint readers
- Wi-Fi, Bluetooth® and optional dedicated GPS or 4G LTE multi carrier with satellite GPS



IP65

**6-FOOT
DROP RATING**

MIL-STD-810G

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OR TOUGHPAD® TABLETS:**

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