



Panasonic recommends Windows® 7.

Toughbook 31 Specs

Durability

- MIL-STD-810G and IP65 certified²
- MIL-STD-461F certified
- IP65 certified²
- Hard drive heater
- Full magnesium alloy case with handle
- Shock-mounted flex-connect hard drive with quick-release
- Reinforced locking port covers
- Pre-installed replaceable screen film

Operating System

- Genuine Windows® 7 Professional 32-bit¹ or
Genuine Windows® 7 Professional 64-bit¹

CPU

- Intel® Core™ i5-3360M vPro™ Processor (2.8GHz)
- Intel® Core™ i5-3320M vPro™ Processor (2.6GHz)
- Intel® Core™ i3-3110M Processor (2.4GHz)

Storage & Memory

- i5 models: 4-8GB SDRAM (DDR3L-1333MHz)
- i3 model: 2-8GB SDRAM (DDR3L-1333MHz)

Display

- 13.1" XGA sunlight-viewable touchscreen LED 1024 x 768
 - Panasonic CircuLumin™ technology
 - 2-1200 nit
 - Circular polarizer³
 - Anti-reflective and anti-glare screen treatments

Expansion Slots

- PC card type II x 1
- SD card (SDXC)
- ExpressCard/54 x 1

Interface

- | | |
|---|------------------|
| ■ Docking connector | 80-pin |
| ■ HDMI | Type A |
| ■ VGA | D-sub 15-pin |
| ■ Headphones/speaker | Mini-jack stereo |
| ■ Microphone/line in | Mini-jack stereo |
| ■ Serial | D-sub 9-pin |
| ■ Ext. antenna conn. | 50 ohm coaxial |
| ■ i5 models: USB 3.0 (x 1), USB 2.0 (x 3) | 4-pin |
| ■ i3 models: USB 2.0 (x 4) | 4-pin |
| ■ Optional IEEE 1394a (FireWire) | 4-pin |
| ■ 10/100/1000 Ethernet | RJ-45 |
| ■ Optional 10/100 2nd LAN (Ethernet) | RJ-45 |
| ■ Optional 56K Modem | RJ-11 |

Wireless

- Optional integrated 4G LTE mobile broadband
- Optional integrated 3G Gobi™ mobile broadband
- Intel® 802.11a/b/g/n
- Bluetooth® v4.0 + EDR (Class 1)
- Slide on/off switch

Battery

- 14.5 hours (varies by model)⁴
- 21 hours with optional media bay 2nd battery

Warranty

- 3-year limited warranty, parts and labor

Dimensions & Weight

- 11.5"(L) x 11.9"(W) x 2.9"(H)
- Weight varies by battery type: 7.9 or 8.2 lbs.

Integrated Options

- 4G LTE mobile broadband
- 3G Gobi™ mobile broadband
- Webcam⁵
- GPS receiver
- Backlit keyboard – sealed rubber or plastic emissive
- 2nd LAN (10/100)³ or FireWire or Modem
- SmartCard reader
- Fingerprint reader
- Media bay 2nd battery⁵
- HDD and battery lock
- 128GB and 256GB solid state drives (SSD) with heaters

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

²Tested by national independent third party lab following MIL-STD-810G Method 516.6 Procedure IV for transit drop test and IEC 60529 Sections 13.4, 13.6.2, 14.2.5 and 14.3 for IP65.

³On i5 CPU models only.

⁴14.5 hours (3320M), up to 12 hours (3360M), 9 hours (i3)

⁵Not available on 3360M.

1.800.662.3537

panasonic.com/toughbook/31

Intel, the Intel logo, Intel Core, Intel vPro, Core Inside and vPro Inside are trademarks of Intel Corporation in the U.S. and other countries. Toughbook notebook PCs are covered by a 3-year limited warranty, parts and labor. To view the full text of the warranty, log on to panasonic.com/toughbook/warranty. Please consult your Panasonic representative prior to purchase. Panasonic is constantly enhancing product specifications and accessories. Specifications subject to change without notice.

©2012 Panasonic Corporation of North America. All rights reserved. B_31_09/12

TOUGHBOOK®



Panasonic recommends Windows® 7.



Toughbook 31

IP65

6-FOOT
DROP
NATIVES

MIL-STD-810G

**Maximizing your productivity
is how we're engineering
a better world.**

SOLUTIONS FOR BUSINESS

The Panasonic Toughbook 31

To get the job done in challenging and harsh environments, nothing beats the fully-rugged Panasonic Toughbook® 31 computer. Built tough from the inside out, this workhorse will keep your productivity at an optimum level, thanks to a long battery life, superior GPS capabilities and seamless wireless options.

For over 18 years, Panasonic has manufactured rugged and reliable Toughbook computers to exceed our customers' mobile computing needs. All Toughbook computers are backed by exceptional service and support for a cost-effective experience.

Powerful and Rugged

The Toughbook 31 is the industry's fastest fully-rugged mobile PC built to provide maximum durability, portability and uptime. And it delivers up to seven times better 3D graphics performance than previous models.

- Genuine Windows® 7 Professional 32-bit¹ or Genuine Windows® 7 Professional 64-bit¹
- MIL-STD-810G and IP65 certified²
- 6-foot drop rating²
- 13.1" 1,200 nit sunlight-viewable touchscreen with Panasonic CircuLumin™ technology³
- Intel® Core™ i5 or i3 processors
- 14.5 hours battery life (varies by model)⁴
- 21 hours battery life with optional media bay 2nd battery⁵
- Optional webcam³, DVD Super MULTI drive, fingerprint and SmartCard readers

Connectivity = Productivity

Nothing keeps you better connected—and productive—than the Toughbook 31. Along with longer battery life for full shift productivity, embedded wireless components provide access to all current high-speed technologies and a reliable way to connect to your carrier's network.

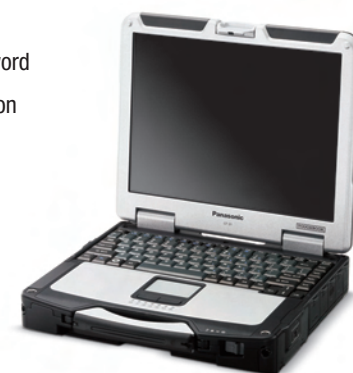
- Bluetooth®
- Wi-Fi 802.11
- Optional integrated 4G LTE mobile broadband
- Optional integrated 3G Gobi™ mobile broadband
- Optional GPS receiver
- Simultaneous access to Wi-Fi, Bluetooth®, GPS and mobile broadband



Enhanced Security

The Toughbook 31 provides a wide array of features to protect your critical data, even in extreme conditions.

- Software security—BIOS level password and OS password
- Embedded Wi-Fi security—encryption and authentication
- Embedded mobile broadband security—encryption
- Trusted Platform Module (TPM) security chip v.1.2³
- Computrace® theft protection agent in BIOS
- Optional SmartCard reader
- Optional fingerprint reader
- Optional hard drive and battery lock



1.800.662.3537
panasonic.com/toughbook/31