Powerful, rugged and wireless.

Panasonic presents the Toughbook® 31, the reliable laptop offering the highest performance in its class along with the world’s most rugged design. With drop-shock protection and a MIL-STD-810G certification, it’s the undisputed leader in the fully-rugged category. Its new Intel® Core™ i5 and i3 processors, along with available discrete graphics, pack a punch to deliver desktop-class performance and improved video/3D graphics. An integrated webcam option, larger storage capacity and up to 21 hours of battery life (with optional media bay 2nd battery)¹ set the Toughbook 31 apart from the competition. Combine six generations of delivering rugged performance plus 13 years of consistent docking compatibility, and you have a computer that will go the distance with you anytime, anywhere.

Panasonic recommends Windows® 7.

TOUGHBOOK 31

- Sunlight-viewable Touchscreen with Panasonic CircuLumin™ Technology²
- Full Magnesium Alloy Case with Handle
- Desktop-class Performance
- 3G Mobile Broadband and GPS-ready Design

1.800.662.3537
panasonic.com/toughbook/31
Panasonic recommends Windows® 7.

DURABILITY
- MIL-STD-810G certified 6’ drop, shock, vibration, rain, dust, sand, altitude, freeze/thaw, high/low temperature, temperature shock, humidity, explosive atmosphere)
- MIL-STD-461F certified
- IP65 certified sealed all weather design
- Hand drive heater
- Full magnesium alloy case with handle
- Shore-mounted flex-contact hard drive with quick-release
- Reinforced locking port covers
- Pre-installed replaceable screen film for touchscreen protection

SOFTWARE
- Genuine Windows® 7 Professional 32-bit or Genuine Windows® 7 Professional 64-bit
- Panasonic Utilities, Recovery Partition

CPU
- Intel® Core™ i5-3360M Processor
- 2.80GHz with Turbo Boost up to 3.30GHz
- Intel Smart Cache 3MB
- Intel® Core™ i7-3537U Processor
- 2.0GHz with Turbo Boost up to 3.60GHz
- Intel Smart Cache 3MB
- Intel® Core™ i7-3540U Processor
- 1.90GHz
- Intel Smart Cache 3MB

STORAGE & MEMORY
- i5 models: 4GB DDR3M DDR3L-1333MHz, expandable to 8GB17
- i3 model: 2GB DDR3M DDR3L-1333MHz, expandable to 8GB17
- Shock-mounted flex-connect hard drive with quick-releases
- 500GB 7200rpm (55 models), 320GB 5400rpm (3 models)
- Optional 128GB and 256GB solid state drives (SSD) with heaters

DISPLAY
- 13.1” XGA sunlight-viewable touchscreen LED 1024 x 768
- Panasonic CirrusLumin™ technology
- 21:120 nt
- Circular polarizer
- Anti-reflective and anti-glare screen treatments
- 3360M CPU with switchable graphics in BIOS;
  - ATI Radeon™ HD7770, 512MB dedicated VRAM
- Intel® QM77 video controller max. 1769MB shared VRAM with 32-bit
- 3340M CPU
- Intel® QM77 video controller max. 1419MB shared VRAM with 32-bit
- 3110M CPU
- Intel® HM77 video controller max. 1419MB shared VRAM with 32-bit
- External video support up to 1280 x 1024 at 16.7 million colors
- Concealed mode

AUDIO
- Intel® high-definition audio compliant
- Integrated front-facing speaker
- Keyboard volume and mute controls

KEYBOARD & INPUT
- Touchscreen
- Integrated stylus holder
- 87-Key with dedicated Windows® key
- Optional backlit keyboard
- Sealed rubber or plastic emissive
- Pressure-sensitive touchscreen with vertical scrolling support

MULTIMEDIA BAY
- Optional DVD Multi Drive MultiDrive or 2nd battery

EXPANSION SLOTS
- PC card type II x 1
- SD card (SDXC) x 1
- ExpressCard® x 1

INTERFACE
- Docking connector
- HDMI
- VESA
- Headphones/speaker
- Microphone/jack in
- Serial
- Ext. antenna conn.
- i5 models: USB 3.0 x 3, USB 2.0 x 3
- i3 models: USB 2.0 x 4
- Optional IEEE 11a/b/g/n (Firewire)
- 10/100/1000 Ethernet RJ-45
- Optional 10/100/2nd LAN (Ethernet) RJ-45
- Optional 96K Modem

WIRELESS
- Optional integrated 4G LTE mobile broadband
- Optional Integrated 3G GSM “3000 mobile broadband (EV-DO Rev. A, HSPA)
- Webcam
- GPS receiver
- Backlit keyboard – sealed rubber or plastic emissive
- Optional 10/100 2nd LAN (Firewire or Modem)
- SmartCard reader
- Fingerprint reader
- Media bay 2nd battery
- HDD and battery lock

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
- Intel® Anti-Theft Technology
- Optional fingerprint reader
- Optional SmartCard reader

WARRANTY
- 3-year limited warranty, parts and labor

DIMENSIONS & WEIGHT
- 7.9 or 8.2 lbs. (varies by battery type)

INTEGRATED OPTIONS
- 4G LTE mobile broadband
- 3G GSM “3000 mobile broadband (EV-DO Rev. A, HSPA)
- Webcam
- GPS receiver
- Backlit keyboard – sealed rubber or plastic emissive
- 2nd LAN (10/100) or Firewire or Modem
- SmartCard reader
- Fingerprint reader
- Media bay 2nd battery
- HDD and battery lock
- 128GB and 256GB solid state drives (SSD) with heaters

SELECT ACCESSORIES
- AC Adapter (3-prong)
- Lightweight Battery Pack
- Long Life ION Battery Pack
- Media Bay 2nd Battery
- Battery Charger
- LND 5 Bay Battery Charger
- LND Car Adapter 120W
- LND Car Adapter 120W Mounting Bracket
- LND Shock Timer
- ToughMate ComUniversal
- ToughMate Slim 31 Case
- DVD Multi Drive Super

Please consult your reseller or Panasonic representative before purchasing.

10 Accessed and Integrated Options may vary depending on your notebook configuration.
Please consult your reseller or Panasonic representative before purchasing.

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Please visit Panasonic website for more accessories and details.

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