Panasonic recommends Windows.

TOUGHBOOK 31

- Sunlight-viewable 1200 nit touchscreen with Panasonic CircuLumin™ Technology
- Full magnesium alloy case with handle
- 19.5-hour battery life (29 hours with optional media bay 2nd battery)¹,³
- Standard backlit keyboard and DVD drive
- Industry leading driver packages for ease of deployment and support
- TPM 2.0 Security

POWERFUL, RUGGED AND WIRELESS.

Panasonic presents the TOUGHBOOK® 31, the reliable laptop offering 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 Intel® Core™ i5 processor packs a punch and amazing battery life—19.5 hours, or 29 hours with optional media bay 2nd battery.¹³ Combine six generations of delivering rugged performance plus an amazing 18 years of consistent docking compatibility, and you have a computer that will go the distance with you anytime, anywhere.
Panasonic recommends Windows.

SOFTWARE
- Windows® 10 Pro 64-bit
- Panasonic Utilities (including Dashboard), Recovery Partition
- Enterprise ready driver packages including CAB files and one-click driver bundles

DURABILITY
- MIL-STD-461F certified [8]
- IP65 certified sealed all-weather design [9]
- Optional hazardous location class I division 2, groups ABCD certified model [8]
- Full magnesium alloy case with handle
- Storage drive heater
- Shock-mounted caged storage drive
- Removable quick-release battery and storage drive
- Reinforced locking port covers
- Preinstalled replaceable screen film for LCD protection

CPU
- Intel® Core™ i5-7300U vPro™ Processor
  - 2.6GHz with Turbo Boost up to 3.9GHz, 4MB cache
- Intel® Core™ i7-7600U vPro™ processor
  - 2.6GHz with Turbo Boost up to 3.5GHz, 3MB cache

STORAGE & MEMORY
- Factory Installed Memory (RAM) - 16GB or 32GB DDR4-2133MT/s [4]
- Optional 256GB or 512GB SSD with heater [4]
- Optional hazardous location class I division 2, groups ABCD certified model [8]

DISPLAY
- 13.1” XGA 1024 x 768
  - Resistive touchscreen
- Intel® HD Graphics 650
- Triple monitor support
- Concealed mode (configurable)

AUDIO
- Integrated® High Definition Audio compliant
- Integrated speaker
- Intel® High Definition Audio compliant
- Concealed mode (configurable)

KEYBOARD & INPUT
- Stylus pen with integrated stylus holder, tether and cleaning cloth
- 87-key with dedicated Windows® key
- Emissive backlight keyboard with 4 adjustable levels
- Pressure-sensitive touchpad with vertical scrolling

MULTIMEDIA BAY
- DVD Super MULTI Drive or optional Media Bay 2nd Battery [1]

INTERFACE & EXPANSION
- Docking connector
  - 80-pin
- USB 3.0 (x 1), USB 2.0 (x 3)
- SD card (SDXC)
- HDMI
- VGA
- 10/100/1000 Ethernet
- Audio In
  - 3.5mm Mini-jack stereo
- Audio Out
  - 3.5mm Mini-jack stereo
- Serial
  - D-sub 9-pin
- Nano-SIM
  - 4FF

WIRELESS
- Optional 4G LTE-Advanced multi carrier mobile broadband with satellite GPS
- Optional dedicated GPS (u-blox NEO-M8N)
- User-selectable antenna pass-through [dual standard, single option]
- Intel® Dual Band Wireless-AC 8265 Wi-Fi 802.11a/b/g/n/ac
- Bluetooth® v4.1 + EDR (Class 1)
- Slide on/off switch

POWER
- Standard long life Li-Ion battery pack [10.65V, typical 8550mAh, min. 8100mAh]
- MobileMark 2014: 19.5 hours (29 hours with opt. media bay 2nd battery) [5]
- Battery charging time: 3.5 hours on/off [7] (7 hours with opt. media bay 2nd battery) [5]
- AC Adapter: AC 100V-240V 50/60Hz, auto sensing/switching worldwide power supply

SECURITY FEATURES
- TPM v2.0
- NIST BIOS compliant
- Persistence® technology by Absolute embedded in BIOS [1]
- Kensington cable lock slot
- Optional insertable SmartCard CAC reader

WARRANTY
- 3-year limited warranty, parts and labor

DIMENSIONS & WEIGHT
- 11.9”(L) x 11.9”(W) x 2.9”(H)
- 8.6 lbs. (9.0 lbs. with optional media bay 2nd battery)

HAZARDOUS LOCATION CERTIFICATIONS
- ANSI/ISA 2.12.01-2013
- Optional class I division 2, groups ABCD certified model [8]

INTEGRATED OPTIONS
- Dedicated GPS (u-blox NEO-M8N)
- 2nd LAN
- Insertable SmartCard CAC reader
- Media bay 2nd battery

SELECT ACCESSORIES
- AC Adapter 100W (3-prong) [3]
- Advanced Long Life Battery Pack [2]
- Media Bay 2nd Battery [2]
- Battery Charger [2]
- LIND 3-Bay Battery Charger [2]
- LIND Car Charger 120W [2]
- LIND Solar Charge System [2]
- ToughMate ComUniversal [2]
- ToughMate Sling 31 Case [2]
- ToughMate Shoulder Strap [2]
- Desktop Dock
- Device Packs (single pass-through)
  - Gamber-Johnson with LIND power supply
  - Havis
- Device Packs (dual pass-through)
  - Gamber-Johnson with LIND power supply
  - Havis
- Touchscreen Stylus
- Tether
- 13.1” LCD Protector Film

Please consult your reseller or Panasonic representative before purchasing.

1 Media bay 2nd battery and DVD drive are mutually exclusive. DVD drive and media bay 2nd battery can be swapped out by user.

2 Tested by national independent third party lab following MIL-STD-810G Method 516.6 Procedure IV for transit drop and MIL-STD-461F certified.

3 Resistive touchscreen

4 1GB = 1,000,000,000 bytes. Total usable memory will be less depending upon actual system configuration.

5 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 charge times will vary based on many factors, including screen brightness, applications, features, power management, battery conditioning and other customer preferences.

6 Requires software and activation to enable theft protection.

7 Accessories and Integrated Options may vary depending on your notebook configuration. Visit Panasonic website for more accessories and details.

8 Future availability

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