



## THE TOUGHBOOK

# H2

- Intel® Core™ i5 vPro™ Processor
- Sealed Fanless All-weather Design
- Sunlight-viewable Up to 6000 Nit in Direct Sunlight
- USB, Serial and Ethernet Ports
- Long-life Hot-swappable Twin Batteries Provide Limitless Hours of Use
- Available Built-in Camera, RFID, SmartCard and Barcode Readers
- Choice of 3G Gobi™ or 4G LTE Mobile Broadband

IP65

6-FOOT  
DROP TESTING

MIL-STD.  
810G

### THE INDUSTRY'S MOST RUGGED HANDHELD TABLET PC.

The new rugged Panasonic Toughbook® H2 handheld tablet PC is the ultimate productivity tool for mobile workers. With superior ergonomics, a brilliant 10.1" sunlight-viewable LED screen capable of up to 6000 nit in direct sun and sealed all-weather design, the H2 lets you work virtually anywhere. Designed with a magnesium alloy chassis encased in polycarbonate, the IP65 and MIL-STD-810G certified<sup>1</sup> Toughbook H2 delivers a complete range of integrated wireless features including Wi-Fi, Bluetooth® and optional embedded 4G LTE (Fall 2011) or Gobi™2000 3G mobile broadband.

Add to that fast charging hot-swappable twin batteries for maximum uptime, optional integrated GPS and SmartCard reader, and you've got a handheld tablet PC that is unmatched in the field.



1.800.662.3537

[panasonic.com/toughbook/h2](http://panasonic.com/toughbook/h2)

**SOLUTIONS**

**IS OUR MIDDLE NAME**

**DURABILITY**

- MIL-STD-810G certified (6' drop, shock, vibration, rain, dust, sand, altitude, freeze/thaw, high/low temperature, temperature shock, humidity, explosive atmosphere)<sup>1</sup>
- IP65 certified<sup>1</sup> sealed all-weather design
- Hard drive heater
- Magnesium alloy chassis encased with polycarbonate
- Shock-mounted flex-connect hard drive
- Integrated handle and ergonomic rubber hand strap
- Reinforced locking port covers

**SOFTWARE**

- Genuine Windows® 7 Professional 32-bit<sup>2</sup> or Genuine Windows® 7 Professional 64-bit<sup>2</sup>
- Panasonic Utilities (including Dashboard and Cleaning Reminder Tool), Recovery Partition

**CPU**

- Intel® Core™ i5-2557M vPro™ Processor
  - 1.7GHz with Turbo Boost up to 2.7GHz
  - Intel® Smart Cache 3MB

**STORAGE & MEMORY**

- 4GB SDRAM (DDR3-1333MHz), expandable to 8GB<sup>3,4</sup>
- 320GB 7200rpm hard drive (shock-mounted and flex-connect)<sup>4</sup>
  - Optional 128GB reinforced flex-connect SSD<sup>4</sup>

**DISPLAY**

- 10.1" XGA sunlight-viewable LED 1024 x 768 dual touch
  - TransfectivePlus and Panasonic CircuLumin™ technology
  - 1-6000 nit (depending on lighting conditions and settings)<sup>5</sup>
  - Anti-reflective, anti-glare screen treatments and circular polarizer
  - Ambient light sensor
- Intel® QM67 video controller, max 1563MB shared VRAM with 32-bit<sup>6</sup>
- External video support up to 1280 x 1024 at 16.7 million colors
- Concealed mode

**AUDIO**

- Intel® high-definition audio compliant
- Integrated speaker

**KEYBOARD & INPUT**

- Dual touch LCD (touchscreen and digitizer)
- Integrated stylus holder
- 74-key on-screen keyboard with dedicated Windows® key
- Up to 5 user-defined programmable buttons (varies by model)

**INTERFACE**

- Docking connector                      Dedicated 19-pin
- Serial    D-sub 9-pin
- USB 2.0 (opt. 2nd USB port)<sup>7</sup> 4-pin
- 10/100/1000 Ethernet                      RJ-45

**WIRELESS**

- Optional integrated LTE 4G mobile broadband (Fall 2011)
- Optional integrated Gobi™2000 3G mobile broadband
- Intel® Centrino® Advanced-N 6205 802.11a/b/g/n
- Bluetooth® v2.1 + EDR (Class 1)
- Security
  - Authentication: LEAP, WPA, 802.1x, EAP-TLS, EAP-FAST, PEAP
  - Encryption: CKIP, TKIP, 128-bit and 64-bit WEP, Hardware AES

**POWER SUPPLY**

- Twin hot-swappable Li-ion battery packs
  - 7.2V, typical 3400mAh, minimum 3200mAh each battery
- Battery operation: 6.5 hours (with both batteries)<sup>8</sup>
- Battery charging time: 3 hours on<sup>9</sup>
- AC Adapter: AC 100V-240V 50/60Hz, auto sensing/switching worldwide power supply

**POWER MANAGEMENT SECURITY FEATURES**

- Suspend/Resume Function, Hibernation, Standby, ACPI BIOS
- Password Security: Supervisor, User, Hard Disk Lock
- Kensington cable lock slot (on optional cradle)
- Trusted platform module (TPM) security chip v.1.2
- Computrace® theft protection agent in BIOS<sup>9</sup>
- Intel® Anti-Theft Technology
- Fingerprint reader
- Insertable SmartCard reader
- Contactless SmartCard reader

**INTEGRATED FEATURES**

- H2 LITE**
  - Base model
- H2 PRO**
  - 2.0MP camera with auto focus and LED light
  - Barcode reader
- H2 ELITE**
  - 2.0MP camera with auto focus and LED light
  - Barcode reader
  - Insertable SmartCard reader
  - 13.56MHz Contactless RFID and SmartCard reader
    - ISO 15693 and 14443 A/B compliant
  - Fingerprint reader
- 3-year limited warranty, parts and labor
- 10.8"(L) x 10.6"(W) x 2.3"(H)
- 3.5 lbs. (with handle, strap and both batteries)

**WARRANTY DIMENSIONS & WEIGHT**

1.800.662.3537 / [panasonic.com/toughbook/H2](http://panasonic.com/toughbook/H2)

Financing options now available from Panasonic Finance Solutions; please call number above for more details.

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**SAFETY CERTIFICATIONS**

- IT Equipment Safety (EN:EU, UL:US)                      EN/IEC 60950-1  
UL 60950-1
- Medical Electrical Equipment Safety (EU)                      EN/IEC 60601-1 (with battery operation)
- Medical Electrical Equipment Safety (Canada)                      CAN/CSA-C22.2 No.601.1-M90
- IT Equipment EMI (US)                      FCC CFR 47 P.15 Sub B-Class B
- IT Equipment EMI (EU)                      EN 55022/CISPR 22-Class B
- IT Equipment EMS (EU)                      EN 55024
- Industrial EMI (EU)                      EN 55011/CISPR 11-Class B
- Radio (US)                      FCC CFR 47 P.15 Sub C
- Radio (Canada)                      RSS-210
- SAR (US)                      FCC CFR 47 P.2

**INTEGRATED OPTIONS<sup>10</sup>**

- LTE 4G mobile broadband (Fall 2011)
- Gobi™2000 3G mobile broadband (EV-DO Rev. A, HSPA)
- GPS receiver
- 2nd USB port (replaces Ethernet port)
- 128GB solid state drive (SSD)

**ACCESSORIES<sup>10</sup>**

- AC Adapter (3-prong)                      CF-AA6373AM
- Lithium Ion Battery Pack<sup>11</sup>                      CF-VZSU53W
- 4-Bay Battery Charger                      CF-VGBU11U
- LIND Car Adapter 120W                      CF-LNDDC120
- LIND Car Adapter 120W Mounting Bracket                      CF-LNDBRK120
- LIND Car/AC Adapter 90W (with USB port)                      CF-LNDACDC90
- LIND Car Adapter 90W MIL-STD                      CF-LNDMLDC90
- LIND Car Adapter 80W                      CF-LNDDC80
- LIND Shutdown Timer                      CF-LNDDLPT
- InfoCase H2 Shoulder Strap                      TBCH1SS-BLK-P
- InfoCase H2 Inversion Strap                      TBCH1SSINV-P
- InfoCase H2 Always-on Sleeve                      TBCH2SLVE-P
- InfoCase U1/H2 Battery Pouch                      TBCU1BPCH-P
- Desktop Cradle/Spare 2-Bay Battery Charger                      CF-VEBH21KU
- Memory Card 4GB DDR3                      CF-WMBA1004G
- Magnetic Micro-dock (USB x2, LAN)                      CF-VEBH12U
- Gamber-Johnson Wall/Cart Mount                      TBD
- Gamber-Johnson Wall/Cart Mount (no electronics)                      TBD
- Gamber-Johnson Vehicle Dock (no pass-through)                      7160-0348
- Gamber-Johnson Vehicle Dock (no electronics)                      7160-0349
- Replacement Stylus                      CF-VNP011U
- Tether                      CF-VNT003U
- 10.1" LCD Protector Film                      CF-VPF13AU

Please consult your reseller or Panasonic representative before purchasing.  
<sup>1</sup>Tested by a 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. Stylus has passed IP65 testing but has not been certified.

<sup>2</sup>A full set of Windows XP drivers are available at [panasonic.com/toughbook/support](http://panasonic.com/toughbook/support).

<sup>3</sup>Total usable memory will be less depending upon actual system configuration.

<sup>4</sup>1GB = 1,000,000,000 bytes.

<sup>5</sup>500 nit without ambient light assistance. Up to 6000 nit in clear, sunny conditions under direct sunlight.

<sup>6</sup>The size of the VRAM cannot be set by the user and varies by operating system as well as size of RAM. Windows 7 64-bit max. VRAM is 1696MB with 4GB of memory.

<sup>7</sup>Replaces Ethernet port.

<sup>8</sup>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 recharge times will vary based on many factors, including screen brightness, applications, features, power management, battery conditioning and other customer preferences. Battery testing results from MobileMark 2007.

<sup>9</sup>Requires software and activation to enable theft protection.

<sup>10</sup>Accessories and Integrated Options may vary depending on your configuration.

<sup>11</sup>7.2V, 2900mAh.

