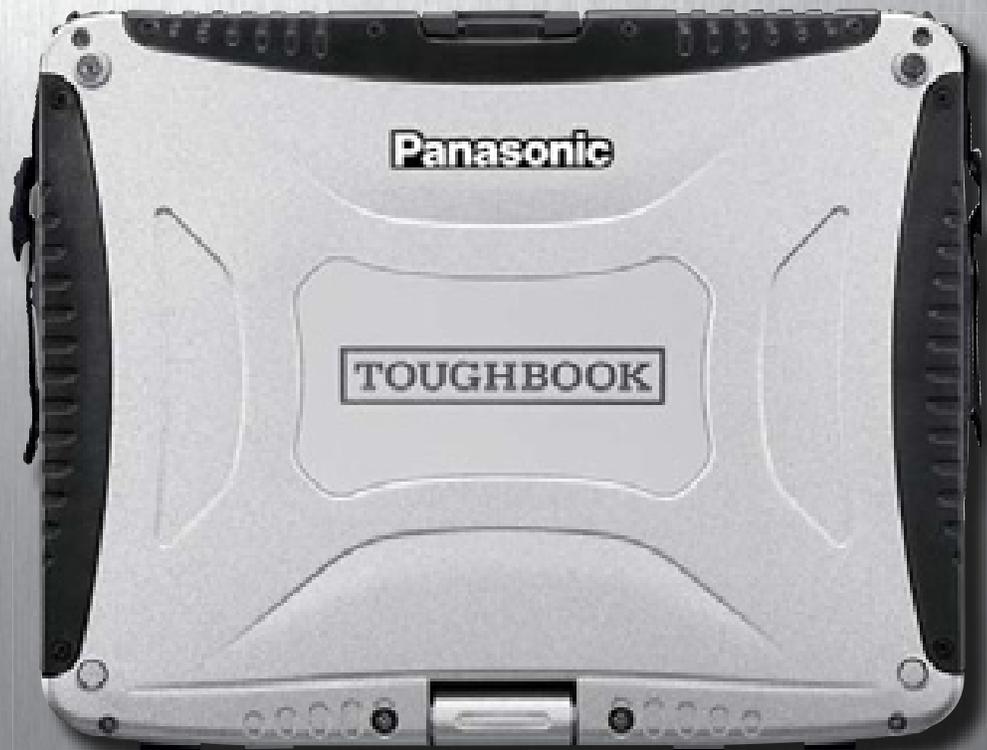


Panasonic recommends Windows Vista® Business.

THE TOUGHBOOK 19

Rugged, lightweight, wireless and convertible.

In your world, performance is everything. If you want a fully-rugged, lightweight, wireless laptop that converts from a powerful notebook PC to a convenient tablet PC with one quick swivel, then the Toughbook® 19 is for you. It features a full magnesium alloy case with a hand strap—ideal for working in those challenging environments and mission-critical situations. At only five pounds, it's good on the go with embedded Gobi™ global mobile Internet (WWAN) and GPS capabilities, Wi-Fi and a sunlight-viewable display with Panasonic CircuLumin™ technology.



TOUGHBOOK

Panasonic ideas for life

THE PANASONIC TOUGHBOOK 19.

DURABILITY FEATURES

- MIL-STD-810F certified (3' drop, shock, vibration, water, dust, altitude, high/low temperature, temperature shock, humidity, explosive atmosphere)¹
- MIL-STD-461E certified¹
- IP65 certified sealed all-weather design¹
- UL1604 class I division 2, groups ABCD certified model
- HDD heater
- Full magnesium alloy case with hand strap
- Shock-mounted, quick-release hard drive
- Pre-installed replaceable screen film for LCD protection

SOFTWARE

- Genuine Windows Vista® Business (with XP downgrade option)
- Setup, Diagnostics, DMI Viewer, PC Information Viewer, Online Reference Manual, Adobe® Reader, Panasonic Handwriting (with signature capture on Tablet PC), Zoom Utility, Concealed Mode Utility, Software Keyboard, Display Rotation Tool, Hard Disk Data Erase Utility, Recovery DVD

CPU

- Intel® Core™ 2 Duo Processor SU9300
 - Intel® Centrino® 2 with vPro™ technology
 - Processor speed 1.2GHz
 - 3MB L2 cache
 - 800MHz FSB

STORAGE & MEMORY

- 2048MB SDRAM (DDR2-667MHz) standard, expandable to 4096MB²
- 160GB HDD (shock-mounted and quick-release)³

DISPLAY

- 10.4" 1024 x 768 XGA sunlight-viewable touchscreen or optional dual touch LCD
 - With Panasonic CircuLumin™ technology: 4-1000 nit, AR, AG, circular polarizer
- External video support up to 1280 x 1024 at 16.7 million colors
- Intel® GS45 (GMA 4500MHD video controller) max. 1024MB UMA VRAM on XP²
- Concealed mode

AUDIO

- Analog Devices AD1883 compliant audio codec
- Intel® high-definition audio compliant
- Integrated speaker
- Convenient keyboard volume and mute controls

KEYBOARD & INPUT

- Touchscreen or dual touch (touchscreen and digitizer models)
- Integrated stylus holder
- 82-key with dedicated Windows® key
- Pressure-sensitive touchpad with vertical scrolling support

EXPANSION SLOTS

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

INTERFACE

- Port replicator
- External video
- Headphones/speaker
- Microphone/line in
- Serial
- Ext. antenna conn. (x 2)
- USB 2.0 (x 2)
- IEEE 1394a (FireWire)
- 10/100/1000 Ethernet
- 56K modem
- Dedicated 100-pin D-sub 15-pin Mini-jack stereo
- Mini-jack stereo D-sub 9-pin
- 50 ohm coaxial 4-pin
- 4-pin RJ-45
- RJ-11

WIRELESS

- Optional integrated Gobi™ global mobile Internet (WWAN)
- Intel® Wireless WiFi Link 5100 802.11a/b/g/draft-n
- Bluetooth® v2.0 + 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
- Dual high-gain antenna pass-through
- Slide on/off switch

POWER SUPPLY

- Lithium ion battery pack (10.65V, 5700mAh)
- Battery operation: approximately 9 hours (Vista), 10 hours (XP)⁴
- Battery charging time: 4.5 hours off, 6.5 hours on⁴
- AC Adapter: AC 100V-240V 50/60Hz, auto sensing/switching worldwide power supply

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 BIOS⁵
- Optional fingerprint reader
- Optional SmartCard reader

WARRANTY

- 3-year limited warranty, parts and labor

DIMENSIONS & WEIGHT

- 8.5"(L) x 10.7"(W) x 1.9"(H)
- 5.1 lbs.

INTEGRATED OPTIONS⁶

- Global Mobile Broadband Internet
 - Gobi™ Technology (EV-DO Rev. A, HSPA)
- 2.0MP camera with auto focus and dual LED light
- Global positioning system (GPS) receiver
- Backlit keyboard
- SmartCard reader
- Fingerprint reader
- HDD and battery lock



- Convertible Notebook to Tablet Design
- Sunlight-viewable Display with Panasonic CircuLumin™ Technology
- Full Magnesium Alloy Case with Hand Strap
- Shock-mounted, Quick-release Hard Drive
- IP65 Certified Sealed All-weather Design
- Intel® Centrino® 2 with vPro™ Technology
- Mobile Broadband and GPS-ready Design

ACCESSORIES⁶

- AC Adapter (3-pin) CF-AA1633AM
- Battery Charger CF-VCBTB1W
- Dual Touch Replacement Stylus (for Digitizer) CF-VNP012U
- Touchscreen Replacement Stylus CF-VNP003U
- InfoCase ComUniversal Carrying Case (large capacity) 7540-P
- InfoCase ComUniversal Jr. Carrying Case COMUNIVJR-P
- InfoCase ComUniversal Roller TM-UNIVRLR-P
- InfoCase Always-on 19 Case FM19-P
- InfoCase 19 "X" Hand Strap FM19X-P
- Desktop Port Replicator CF-VEB181AU
- External USB Combo Drive (DVD-ROM/CD-RW) CF-VDRRT3U
- External USB Floppy Drive CF-VFDU03U
- Lithium Ion Battery Pack CF-VZSU48U
- 32GB Solid State Drive (SSD) CF-WSD190321
- Memory Cards
 - 1GB CF-WMBA801G
 - 2GB CF-WMBA802G
- Vehicle Port Replicator CF-WEB184AC
- 10.4" LCD Protector Film for Touchscreen & Dual Touch CF-VPF11U

Please consult your reseller or Panasonic representative before purchasing.

¹Tested by national independent third party lab.

²Total usable memory will be less depending upon actual system configuration. Vista max. VRAM is 797MB with 2GB of memory, or 1551MB with 4GB of memory.

³1GB = 1,000,000,000 bytes

⁴Battery 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.

⁵Requires software and activation to enable theft protection.

⁶Accessories and Integrated Options may vary depending on your notebook configuration.

1.800.662.3537 / panasonic.com/toughbook/19

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

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