

THE TOUGHBOOK U1

The rugged, ultra-lightweight PC that fits in the palm of your hand.

In your world, a handheld is judged on more than just portability. The Panasonic Toughbook® U1 is a new kind of mobile computer, a lightweight, rugged mobile office with hot-swappable twin batteries for extended productivity. It allows you to take your desktop applications mobile—with Windows® XP or Vista®, just load your software onto the U1 and start working. There's no need to customize or maintain abbreviated software versions for handheld use. It also has seemingly endless integrated options like GPS, mobile broadband, a 2MP camera and fingerprint and barcode readers, making it much more than just a laptop. The Panasonic Toughbook U1, built to survive your tough world.



TOUGHBOOK

Panasonic recommends Windows Vista® Business.

THE PANASONIC TOUGHBOOK U1.

DURABILITY FEATURES

- MIL-STD-810F certified (6' drop, shock, vibration, water, dust, sand, altitude, high/low temperature, temperature shock, humidity, salt fog)¹
- MIL-STD-461E certified (requires special model)¹
- IP65 certified sealed all-weather design¹
- UL1604 class I, division 2, groups ABCD certified model
- CCX Certified v4
- Magnesium alloy chassis encased with ABS and elastomer
- Removable solid state drive²
- Pivoting hand strap

SOFTWARE

- Genuine Windows Vista® Business (with XP downgrade option)
- Setup, Diagnostics, PC Information Viewer, Online Reference Manual, Adobe® Reader, Panasonic Handwriting, Keyboard Button Manager, Full Screen Zoom, Hard Disk Data Erase Utility, Recovery DVD

CPU

- Intel® Atom™ Processor Z520
- Processor speed 1.33GHz
- 512KB L2 cache
- 533MHz FSB

STORAGE & MEMORY

- 1024MB SDRAM (DDR2)³
- 16GB solid state removable drive (32GB SSD optional)²

DISPLAY

- 5.6" widescreen 1024 x 600 WSVGA sunlight-viewable touchscreen
- External video support up to 1280 x 768 at 16 million colors
- Intel® SCH (GMA 500 video controller) max. 256MB UMA VRAM⁴
- Anti-glare, anti-reflective screen treatments
- LED backlighting

AUDIO

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

KEYBOARD & INPUT

- Touchscreen LCD
- Integrated stylus holder (x 2)
- 61-key with dedicated Windows® key and keyboard lock
- Zoom (in/out) and scroll (up/down) buttons
- 4 user-defined programmable buttons

EXPANSION SLOTS

- SD card (SDHC)
- Optional magnetic stripe reader (with mini-dock)
- Optional SmartCard reader (with mini-dock)

INTERFACE

- Mini-dock connector
- Headphones/speaker
- Microphone/line in
- USB 2.0 (x 1)
- Optional Ethernet (RJ-45)
- Optional serial
- Dedicated 19-pin Mini-jack stereo
- Mini-jack stereo
- 4-pin
- With mini-dock
- With mini-dock

WIRELESS

- Optional integrated Gobi™ global mobile Internet
- Intel® Wireless Wi-Fi 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
- Slide on/off switch

POWER SUPPLY

- Twin hot-swappable lithium ion battery packs (7.2V, 2900mAh each)
- Battery operation: 9 hours⁵
- Battery charging time: 7 hours off, 10 hours on⁵
- AC Adapter: AC 100V-240V 50/60Hz, auto sensing/switching worldwide power supply
- Pop-up, on-screen battery status reporting

POWER MANAGEMENT

- Suspend/Resume Function, Hibernation, Standby, ACPI BIOS

SECURITY FEATURES

- Password Security: Supervisor, User, Hard Disk Lock
- Kensington cable lock slots (x 2)
- Trusted platform module (TPM) security chip v.1.2 (on select models)
- Computrace® theft protection agent in BIOS⁶
- Optional fingerprint reader
- Optional SmartCard reader (with mini-dock)

WARRANTY

- 3-year limited warranty, parts and labor

DIMENSIONS & WEIGHT

- 5.9" (L) x 7.2" (W) x 2.2" (H)
- 2.3 lbs. (with strap and both batteries)

INTEGRATED OPTIONS⁷

- Choice of 1D, 2D barcode or RFID reader⁸
- Global Mobile Broadband Internet
 - Gobi™ technology (EV-DO Rev. A, HSPA)
- 2.0MP camera with auto focus and dual LED light
- 32GB solid state drive (SSD)
- Global positioning system (GPS) receiver
- Fingerprint reader



- Windows® XP or Vista®
- 6 foot drop rating (in accordance with MIL-STD-810F test procedure)¹
- Hot-swappable twin batteries provide 9 hours of battery life
- Optional built-in barcode, RFID and fingerprint readers, camera and GPS
- Sunlight-viewable display with zoom control
- IP65 certified sealed, all-weather design
- Wi-Fi, Bluetooth® and optional 3G WWAN

ACCESSORIES⁷

- AC Adapter (3-pin) CF-AA1633AM
- 4-bay Battery Charger CF-VCBU11U
- Lithium Ion Battery Pack CF-VZSU53W
- Touchscreen Replacement Stylus CF-VNP003U
- InfoCase U1 Holster TMU1-HLSTR-P
- InfoCase U1 Harness TMU1-HRNS-P
- InfoCase U1 Harness Clear Cover TMU1-CLRCVR-P
- InfoCase U1 Strap TMU1-MS-P
- InfoCase U1 Battery Pouch TMU1-BP-P
- External USB Combo Drive CF-VDRRT3U
- External USB Floppy Drive CF-VFDU03U
- Desktop Cradle / Spare 2-Bay Battery Charger CF-VEBU11U
- Magnetic Stripe Reader Mini-dock CF-VCRU11U
- Serial/Ethernet/SmartCard Mini-dock CF-VEBU12U
- Serial/Ethernet Mini-dock CF-VEBU13U
- Ledco Vehicle Dock Full Connectivity DS.CFU1
- Ledco Vehicle Dock Full Connectivity (with Dual High-gain Pass-through) DS.CFU1.HGD
- Ledco Vehicle Dock (no electronics) DS.CFU1.CDL
- 5.6" LCD Protector Film CF-VPF12U

Please consult your reseller or Panasonic representative before purchasing.

¹ Drop rating and other testing results by national independent third party lab.

² Hard drive removal should only be attempted by a technician with the proper equipment.

³ Total usable memory will be less depending upon actual system configuration.

⁴ Max with standard RAM. The size of the VRAM cannot be set by the user and varies by operating system as well as size of RAM.

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 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 2005.

⁶ Requires software and activation to enable theft protection.

⁷ Accessories and Integrated Options may vary depending on your configuration.

⁸ Please consult your reseller or Panasonic representative for RFID availability.

1.800.662.3537 / panasonic.com/toughbook/U1

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

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Panasonic ideas for life

