THE NEW PANASONIC TOUGHBOOK U1.
THE HANDHELD, REINVENTED.

Panasonic ideas for life

TOUGHBOOK®

THE RUGGED ORIGINAL.

The NEW Panasonic Toughbook U1

The Panasonic Toughbook® U1 is a new kind of mobile computer, a one-two punch of Toughbook ruggedness with hot-swappable twin batteries for full-shift productivity. We wouldn't want to put words in your mouth, but being able to run Windows® XP or Vista® while still maintaining its convenient lightweight design is something other handhelds can't begin to imagine. Couple that with its seemingly endless integrated options like GPS, 3G mobile broadband, a 2MP camera and fingerprint and barcode readers, and you might forget you're not carrying a laptop. We won't say we've reinvented the handheld. We'd rather wait and hear you say it.

The NEW Panasonic Toughbook U1.

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

Panasonic recommends Windows Vista® Business.

DURABILITY FEATURES
- MIL-STD-810F- and IP54-compliant
- 4-foot drop approved
- Magnesium alloy chassis encased with ABS and elastomer
- Removable solid state drive[1]
- Sealed all-weather design
- Rain-, spill-, dust- and vibration-resistant
- Rotating 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
- 512KB L2 cache
- Processor speed 1.33GHz
- 533MHz FSB

STORAGE & MEMORY
- 1024MB SDRAM (DDR2)[2]
- 16GB solid state removable drive (32GB optional)[1]

DISPLAY
- 5.6" widescreen 1024 x 600 WSVGA sunlight-viewable TFT active matrix LCD
- External video support up to 1280 x 768 at 16 million colors
- Intel® SCH (GMA 500 video controller) max. 256MB UMA VRAM[3]
- 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-programmable buttons

EXPANSION SLOTS
- SD card (SDHC)
- Optional magnetic stripe reader (with expansion module)
- Optional SmartCard reader (with expansion module)

INTERFACE
Headphones/speaker	Mini-jack stereo
Microphone/line in	Mini-jack
Expansion module connector	Dedicated 19-pin
USB 2.0 (x 1)	4-pin
Optional ethernet (RJ-45)	With expansion module
Optional serial	With expansion module

WIRELESS
- Optional integrated 3G mobile broadband (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
- Slide on/off switch

POWER SUPPLY
- Twin hot-swappable lithium ion battery packs (7.2V, 2900mAh each)
- Battery operation: 9 hours[4]
- Battery charging time: 7 hours off, 10 hours on[4]
- 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
- Cable lock slots (x 2)
- Computrace® theft protection agent in BIOS[5]
- Trusted platform module (TPM) security chip v.1.2 (available Winter 2008)[6]
- Optional fingerprint reader
- Optional SmartCard reader (with expansion module)

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 OPTIONS[7]
- Choice of 1D, 2D barcode or RFID reader[8]
- Mobile Broadband Solutions
  - EV-DO Rev. A
  - HSDPA
- 2.0MP camera with auto focus and dual LED light
- 32GB SSD
- Global positioning system (GPS) receiver
- Fingerprint reader
- UL 1604 Class I, Division 2, Groups, A, B, C, D certified model

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- ■ *New Intel® Atom™ processor, to power Windows® XP or Vista®*
- ■ *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*
- ■ *Sealed rugged all-weather design*
- ■ *Wi-Fi, Bluetooth® and optional 3G WWAN*

ACCESSORIES[7]

• AC Adapter (3-pin)	CF-AA1633AM
• 4-bay Battery Charger	CF-VCBU11U
• Lithium Ion Battery Pack	CF-VZSU53W
• Touchscreen Replacement Stylus	CF-VNP003U
• ToughMate Holster	TMU1-HLSTR-P
• ToughMate Harness	TMU1-HRNS-P
• External USB Combo Drive	TBA
• External USB Floppy Drive	CF-VFDU03U
• Desktop Cradle / Spare 2-Bay Battery Charger	CF-VEBU11U
• Magnetic Stripe Reader Expansion Module	CF-VCRU11U
• Serial/Ethernet/SmartCard Expansion Module	CF-VEBU12U
• 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	TBA

[1] Hard drive removal should only be attempted by a technician with the proper equipment.

[2] Total usable memory will be less depending upon actual system configuration.

[3] 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.

[4] 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. Battery life subject to change pending final testing.

[5] Requires software and activation to enable theft protection.

[6] Please consult your reseller or Panasonic representative before purchasing.

[7] Not all Accessories and Integrated Options will be available at launch. Accessories and Integrated Options may vary depending on your configuration.

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

For more information call 1.800.662.3537 or visit us on the Web at panasonic.com/toughbook/U1.

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