

Panasonic recommends Windows Vista® Business.



## 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 scanners, 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<sup>1</sup>
- 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)
- 16GB solid state removable drive (32GB optional)<sup>1</sup>

## 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 (DVMT) VRAM
- 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 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<sup>2</sup>
- Battery charging time: 7 hours off, 10 hours on<sup>2</sup>
- AC Adapter: AC 100V-240V 50/60Hz, Auto sensing/switching worldwide power supply

## POWER MANAGEMENT

- Suspend/Resume Function, Hibernation, Standby

## SECURITY FEATURES

- Password Security: Supervisor, User, Hard Disk Lock
- Cable lock slots (x 2)
- Computrace® theft protection agent in BIOS<sup>3</sup>
- Optional fingerprint scanner
- 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<sup>4</sup>

- Choice of 1D, 2D barcode or RFID reader<sup>5</sup>
- Mobile Broadband Solutions
  - EV-DO Rev. A
  - HSDPA
- 2.0MP camera with dual LED light
- 32GB SSD
- Global positioning system (GPS) receiver
- Fingerprint scanner
- UL 1604 Class I, Division 2, Groups, A, B, C, D certified model



- New Intel® Atom™ processor, to power Windows® XP or Vista®
- Hot-swappable twin batteries provide 9 hours of battery life
- Integrated options provide maximum convenience and ruggedness
- Docking options expand functionality whether in a vehicle, at the desk, or on the move
- Sunlight-viewable display with zoom control
- Sealed rugged all-weather design

## ACCESSORIES<sup>4</sup>

- |  |             |
|--|-------------|
| • AC Adapter (3-pin)                           | CF-AA1633AM |
| • 4-bay Battery Charger                        | CF-VCEBU11U |
| • Lithium Ion Battery Pack                     | CF-VZSU53W  |
| • Touchscreen Replacement Stylus               | CF-VNP003U  |
| • ToughMate Holster                            | TBA         |
| • ToughMate Harness                            | TBA         |
| • External USB Combo Drive                     | TBA         |
| • External USB Floppy Drive                    | TBA         |
| • Desktop Cradle / Spare 2-Bay Battery Charger | CF-VEBU11U  |
| • Magnetic Stripe Reader                       | TBA         |
| • Expansion Module                             | TBA         |
| • Serial/Ethernet/SmartCard Expansion Module   | CF-VEBU12U  |
| • Vehicle Dock                                 | TBA         |
| • 5.6" LCD Protector Film                      | TBA         |

Please consult your reseller or Panasonic representative before purchasing.

<sup>1</sup>Hard drive removal should only be attempted by a technician with the proper equipment.

<sup>2</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 2005. Battery life subject to change pending final testing.

<sup>3</sup>Requires software and activation to enable theft protection.

<sup>4</sup>Not all Accessories and Integrated Options will be available at launch. Accessories and Integrated Options may vary depending on your configuration.

<sup>5</sup>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**.

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