

Windows®. Life without Walls™. Panasonic recommends Windows 7.

THE TOUGHBOOK U1 ULTRA

The next generation of handheld power with Windows® 7.

The Panasonic Toughbook® U1 Ultra is the newest member of the Toughbook U1 family, and is the clear alternative for legacy Windows® Mobile solutions when you need your mobile workers to do more in the field and need an advanced mobile solution that can work anywhere. The U1 Ultra features a brilliant LED screen capable of up to 6000 nit in direct sunlight and can automatically adjust its screen brightness to fit its environment. Genuine Windows® 7 support means an easier to use interface and more off-the-shelf commercial applications than any OS on the planet. Plus, the U1 Ultra features a rugged modular design and a host of integrated options like GPS, Gobi™ mobile broadband, a 2MP camera and barcode readers—there are no limits to productivity. The U1 Ultra is ideally suited for multi-tasking applications such as SAP, CRM, turn-by-turn directions, drawings, schematics, GEO tagging and paperless forms, to name a few. And for more basic applications and usage environments, the Toughbook U1 Essential is the perfect companion with a combination of both value and versatility.

IP65

**6-FOOT
DROP RATING**

**MIL-STD-
810G**

*The first MIL-STD-810G
certified handheld PC¹*



*Screen image is for demonstration purposes only.

TOUGHBOOK®

THE PANASONIC TOUGHBOOK U1 ULTRA.

DURABILITY FEATURES

- MIL-STD-810G certified (6' drop, shock, vibration, rain, dust, sand, altitude, freeze/thaw, high/low temperature, temperature shock, humidity, salt fog)¹
- MIL-STD-461F 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 reinforced flex-connect SSD²
- Pivoting hand strap

SOFTWARE

- Genuine Windows® 7 Professional (with XP driver support)
- Panasonic Utilities, Recovery DVD

CPU

- Intel® Atom™ Processor Z530
- Processor speed 1.60GHz
- 512KB L2 cache
- 533MHz FSB

STORAGE & MEMORY

- 2GB SDRAM (DDR2)³
- 64GB removable reinforced flex-connect SSD²

DISPLAY

- 5.6" widescreen 1024 x 600 WSVGA touchscreen
- TransfectivePlus sunlight-viewable display
 - 2-6000 nit (depending on lighting conditions and settings)⁴
 - Circular polarizer and LED backlighting
 - Anti-reflective and anti-glare screen treatments
 - Ambient light sensor
- External video support up to 1280 x 768 at 16 million colors
- Intel® SCH (GMA 500 video controller) max. 256MB UMA VRAM⁵

AUDIO

- Intel® high definition audio compliant
- Integrated speaker
- Convenient keyboard volume and mute controls

KEYBOARD & INPUT

- Touchscreen LCD
- Integrated stylus holder (x 2)
- Backlit 61-key with Windows® key and keyboard lock
- Optional backlit 29-key numeric keypad with large buttons including navigation, Windows® and keyboard lock buttons
- 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™2000 mobile broadband
- Intel® Wireless Wi-Fi Link 5100 802.11a/b/g/draft-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
- Slide on/off switch

POWER SUPPLY

- Twin hot-swappable lithium ion battery packs (7.2V, 2900mAh each)
- Battery operation: 9 hours⁶
- Battery charging time: 5.5 hours off, 5.5 hours on⁶
- AC Adapter: AC 100V-240V 50/60Hz

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
- Computrace® theft protection agent in BIOS⁷
- Optional fingerprint reader
- Optional SmartCard reader (with mini-dock)

INTEGRATED FEATURES

- Package 1: Base model
- Package 2: Camera
- Package 3: Gobi2000, barcode reader
- Package 4: Gobi2000, camera
- Package 5: Gobi2000, camera, GPS
- Package 6: Gobi2000, camera, GPS, dual pass, barcode reader

Camera = 2MP camera with auto focus and dual LED light
Barcode Reader = Choice of 1D laser or 2D imager (1D and 2D capable)
GPS = GPS receiver (DGPS enabled)
Dual Pass = Dual pass-through connectors (for external antenna)

WARRANTY

- 3-year limited warranty, parts and labor

1.800.662.3537 / panasonic.com/toughbook/U1-Ultra

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

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*Shown with optional numeric keypad. Screen image is for demonstration purposes only.

- Windows® 7 (with XP driver support)
- Sunlight-viewable up to 6000 nit in direct sunlight
- MIL-STD-810G, 6-foot drop and IP65 certified¹
- Optional integrated camera, GPS, barcode and fingerprint readers
- Wi-Fi, Bluetooth® and optional Gobi™2000 WWAN
- Numeric and QWERTY keyboard options
- Twin hot-swappable batteries for continuous use

DIMENSIONS & WEIGHT

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

INTEGRATED OPTIONS⁸

- Numeric keypad with large buttons including navigation
- Fingerprint reader

ACCESSORIES⁹

- AC Adapter (3-pin) CF-AA1633AM
- 4-bay Battery Charger CF-VCBU11U
- Lithium Ion Battery Pack CF-VZSU53W
- 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 Shutdown Timer CF-LNDLPT
- InfoCase U1 Holster TBCU1HSTR-P
- InfoCase U1 Harness TBCU1HRNS-P
- InfoCase U1 Harness Clear Cover TBCU1CLRCLR-P
- InfoCase U1 Strap TBCU1MSTP-P
- InfoCase U1/H1 Battery Pouch TBCU1BPCH-P
- External USB Combo Drive CF-VDRRT3U
- Desktop Cradle / Spare 2-bay Battery Charger CF-VEBU11BU
- Mag Stripe Reader Mini-dock CF-VCRU11U
- Serial/LAN/SmartCard Mini-dock CF-VEBU12U
- Serial/LAN/USB Micro-dock CF-MPU11UTT
- Personal Identification Mini-dock (PIMD)⁹ Project Driven
- Havis Docking Station
 - no pass-through DS-PAN-301
 - dual pass-through DS-PAN-301-2
 - no electronics DS-PAN-302
- Touchscreen Replacement Stylus CF-VNP003U
- 5.6" LCD Protector Film CF-VPF12U

Please consult your reseller or Panasonic representative before purchasing.

¹ 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.

² SSD should only be removed by a technician with the proper equipment.

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

⁴ 300 nit without ambient light assistance. Up to 6000 nit in clear sunny conditions under direct sunlight.

⁵ 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.

⁶ Battery performance features such as charge time and life span vary based on the conditions under which the computer and battery are used.

⁷ Battery operation and recharge times will vary based on many factors, including brightness, applications, features, power management, battery conditioning and other customer preferences. Battery test results from MobileMark 2005.

⁸ Requires software and activation to enable theft protection.

⁹ Accessories and Integrated Options may vary depending on your configuration.

⁹ PIMD includes an OCR (3 track MRZ) + RFID reader (ISO 15693, 14443

Type A/B) + fingerprint reader (FIPS 201).