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. The first tablet PC to be certified¹ for MIL-STD-810G and IP65, it features a full magnesium alloy case capable of withstanding a 6-foot drop¹—ideal for working in those challenging environments and mission-critical situations. At only five pounds, it's good on the go with a hand strap, Wi-Fi, a sunlight-viewable display with Panasonic CircuLumin™ technology and optional embedded Gobi™ mobile broadband.



Panasonic ideas for life

THE PANASONIC TOUGHBOOK

DURABILITY FEATURES

SOFTWARE

CPU

- MIL-STD-810G certified (6' drop, shock, vibration, rain, dust, sand, altitude, freeze/ thaw, high/low temperature, temperature shock, humidity, explosive atmosphere)1
- MIL-STD-461F certified¹
- IP65 certified sealed all-weather design
- UL1604 class I division 2, groups ABCD certified model
- · CCX Certified v4
- HDD heater
- Full magnesium alloy case with hand strap
- Shock-mounted flex-connect hard drive with quick-release
 Pre-installed replaceable screen film for LCD protection
- Genuine Windows® 7 Professional (with XP downgrade option)

 Setup, Diagnostics, 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

 Intel[®] Core[™] i5-540UM vPro[™] Processor - 1.2GHz with Turbo Boost up to 2.0GHz

- Intel Smart Cache 3MB

STORAGE & MEMORY 2GB SDRAM (DDR3-1066MHz) standard, expandable to 8GB^{2,3}

• 160GB HDD (shock-mounted flex-connect with quick-release)3 - Optional 128GB reinforced flex-connect solid state drive (SSD)

DISPLAY • 10.4" 1024 x 768 XGA sunlight-viewable touchscreen or optional dual touch LCD

Panasonic CircuLumin™ technology: 2-1000 nit, AR, AG, circular polarizer
 External video support up to 1280 x 1024 at 16.7 million colors

• Intel® QM57 (GMA 4500MHD video controller) max. 1024MB UMA VRAM on XP2

 Concealed mode LED Backlighting

AUDIO • 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 Dedicated 100-pin • VGA D-sub 15-pin Headphones/speaker Mini-jack stereo Mini-jack stereo • Microphone/line in Serial D-sub 9-pin

Ext. antenna conn. (x 2)
USB 2.0 (x 2)
IEEE 1394a (FireWire) 50 ohm coaxial 4-pin • 10/100/1000 Ethernet R.I-45 • 56K modem

 Optional integrated Gobi™2000 mobile broadband
 Intel® Centrino® Advanced-N 6200 802.11a/b/g/n **WIRELESS**

• 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

Dual high-gain antenna pass-through

· Slide on/off switch

POWER SUPPLY Lithium ion battery pack (11.1V, typical 5600mAh, minimum 5300mAh)
 Battery operation: 9 hours (touchscreen), 8.5 hours (dual touch)⁴

Battery charging time: 3.5 hours⁴
 AC Adapter: AC 100V-240V 50/60Hz, auto sensing/switching

worldwide power supply

POWER MANAGEMENT

SECURITY FEATURES

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

Kensington cable lock slot

• Password Security: Supervisor, User, Hard Disk Lock • Trusted platform module (TPM) security chip v.1.2

Computrace® theft protection agent in BIOS®

· Optional fingerprint reader

Optional SmartCard reader

WARRANTY **DIMENSIONS & WEIGHT** · 3-year limited warranty, parts and labor

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

INTEGRATED OPTIONS

Gobi™2000 mobile broadband (EV-DO Rev. A, HSPA)

2.0MP camera with auto focus and dual LED light⁷

• GPS receiver

Backlit keyboard
 Sealed rubber or plastic emissive

SmartCard reader

Fingerprint readerHDD and battery lock

877-870-3806 / www.mruggedmobile.com / sales@mruggedmobile.com

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

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The First MIL-STD-810G Certified Tablet PC1

6-foot Drop and IP65 Certified1

Sunlight-viewable Display with Panasonic CircuLumin™ Technology

Full Magnesium Alloy Case with Hand Strap

Shock-mounted Flex-connect Hard Drive with Quick-release

■ Mobile Broadband and GPS-ready Design

ACCESSORIES⁶

• AC Adapter (3-pin) CF-AA1633AM Battery ChargerLithium Ion Battery Pack CF-VCBTB1W CF-VZSU48U LIND Car Adapter 120W CF-LNDDC120 Dual Touch Replacement CF-VNP012U

CF-VNP003U

CF-VDRRT3U

CF-WMBA902G

CF-WMBA904G

CF-VEB181AU

CF-WFB194A CF-WEB194AC

Stylus (for Digitizer) Touchscreen Replacement Stylus

 InfoCase ComUniversal Jr. Carrying Case COMUNIVJR-P InfoCase Backpack TM-UNIVBPK-P InfoCase Always-on 19 Case FM19-P FM19X-P

 InfoCase 19 "X" Hand Strap External USB Combo Drive (DVD-ROM/CD-RW)

 Memory Cards
 2GB DDR3 4GB DDR3 Desktop Port Replicator

 Vehicle Port Replicator no pass-throughdual pass-through

• 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 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

²Total usable memory will be less depending upon actual system configuration. Maximum of 2048MB of memory when equipped with camera. Windows 7 max. VRAM is 763MB with 2GB of memory, or 1435MB 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

⁷Camera replaces the second memory slot located on the bottom of the PC.