TurnKey Mobile

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Toughbook 31 Laptop

[Overview](#) The **Panasonic ToughbookÂ® 31**, also referred to as the CF-31, is a reliable ultra-rugged laptop offering the highest performance in its class along with the world's most durable design. With unrivaled ruggedness, drop shock protection (can sustain a drop from up to six feet) and certification exceeding MIL-STD-810G, the Toughbook 31 is the undeniable leader in the fully-rugged laptop computer category. Its IntelÂ® Coreâ„¢ i5 and i3 processors combined with available discrete graphics deliver desktop-class performance and greatly enhanced video and 3D graphics.
For working outdoors, Panasonic has also integrated a 1,100 nit sunlight-viewable touchscreen display (available with Panasonic CircuLuminÂ® technology). This 13.1" XGA LCD touchscreen has a brightness range from 2 to 1,100 nits accommodating both covert work in the dark, or working outside on a bright, sunny day. The screen rotates for full-circle viewability, so it can be shared easily with others.
An integrated webcam option and larger storage capacity further set it apart from the competition. Add to this a strong legacy of six generations of rugged performance and 11 years of dependable vehicle docking compatibility, and you have an ultra-rugged computer that will go the distance with you anytime, anywhere.

Specifications

Operating System:	â€¢ Genuine WindowsÂ® 7 Professional (with XP downgrade option)

CPU:	â€¢ **IntelÂ® Coreâ„¢ i5-540M vPro Processor** **â€¢ â€" 2.53GHz with Turbo Boost up to 3.07GHz** **â€¢ â€" 3MB** **â€¢ IntelÂ® Coreâ„¢ i5-520M vPro Processor** **â€¢ â€" 2.40GHz with Turbo Boost up to 2.93GHz** **â€¢ â€" 3MB** **â€¢ IntelÂ® Coreâ„¢ i3-350M Processor** **â€¢ â€" 2.26GHz** **â€¢ â€" 3MB**
Storage:	â€¢ Shock-mounted flex-connect hard drive with quick-release â€¢ 250GB (540M CPU) or 160GB (520M and 350M CPU) â€¢ Optional 256GB solid state drive (SSD)
Memory:	â€¢ 2GB SDRAM (DDR3-1066MHz) standard, expandable to 8GB
Display:	â€¢ 13.1" XGA touchscreen â€¢ Panasonic CircuLumin technology: 2-1100 nit, Circular polarizer (i5 CPU), AG & AR â€¢ **540M CPU:** switchable graphics (Intel & ATI Radeon) â€¢ **520M & 350M CPU:** Intel grahics â€¢ Concealed mode â€¢ LED backlighting
Integrated Options:	â€¢ Gobi2000 mobile broadband (EV-DO Rev. A, HSPA) â€¢ Webcam (i5 CPU) â€¢ GPS receiver â€¢ Backlit keyboard (rubber or emissive) â€¢ 2nd LAN (10/100) or FireWire or Modem â€¢ SmartCard reader â€¢ Fingerprint reader â€¢ HDD & battery lock
Wireless:	â€¢ Optional integrated Gobiâ„¢2000 mobile broadband â€¢ Intel CentrinoÂ® Advanced-N 6200 802.11a/b/g/n (i5 CPU models) â€¢ Atheros 802.11b/g/n (i3 CPU model) â€¢ BluetoothÂ® v2.1 + EDR â€¢ High-gain antenna pass-through
Expansion Slot:	â€¢ PC Card Type II x 1 â€¢ SD Card (SDHC) â€¢ ExpressCard/54 x 1
Media Bay:	â€¢ Will accept optional DVD Super MULTI Drive

Interface:	â€¢ Port replicator â€¢ HDMI â€¢ VGA â€¢ Headphones/speaker â€¢ Microphone/line in â€¢ Serial â€¢ Ext. antenna conn. â€¢ USB 2.0 (x 4) â€¢ Optional IEEE 1394a (FireWire) â€¢ 10/100/1000 Ethernet â€¢ Optional 10/100 2nd LAN (i5 CPU models) â€¢ Optional 56K modem
Keyboard & Input:	â€¢ Touchscreen LCD â€¢ Integrated stylus holder â€¢ 87-key with dedicated WindowsÂ® key â€¢ Pressure sensitive touchpad with vertical scrolling support
Audio:	â€¢ Intel high-definition audio compliant â€¢ Integrated front-facing speaker â€¢ Convenient keyboard volume and mute controls
Power Supply:	â€¢ **i5 CPU:** **â€¢ â€" Battery op: 11 hrs (520M or 540M running Intel graphics), 5 hrs (540M running ATI graphics)** **â€¢ â€" Long life Li-Ion battery (10.65V)** **â€¢ i3 CPU:** **â€¢ â€" Battery op: 7 hrs** **â€¢ â€" Lightweight Li-Ion battery (11.1V)**
Power Management:	â€¢ Suspend / Resume Function, Hibernation, Standby, ACPI BIOS
Dimensions & Weight:	â€¢ 11.5"(L) x 11.9"(W) x 2.9"(H) â€¢ 7.9 or 8.2 lbs. (varies by battery type)
Durability Features:	â€¢ MIL-STD-810G & IP65 certified (6' drop)1 â€¢ MIL-STD-461F certified â€¢ UL1604 certified model â€¢ Hard disk drive heater â€¢ Magnesium alloy housing with built-in handle â€¢ Shock-mounted flex-connect hard disk drive with quick-release â€¢ Reinforced locking port covers
Security Features:	â€¢ Password Security: Supervisor, User, Hard Disk Lock â€¢ Kensington cable lock slot â€¢ TPM security chip v.1.2 (i5 CPU models) â€¢ ComputraceÂ® theft protection agent in BIOS â€¢ Optional fingerprint reader â€¢ Optional SmartCard reader
Warranty:	â€¢ 3-year limited warranty, parts and labor

Additional Information:
Toughbook 31 Features and Specification Sheet

Vendor Information

Customer Reviews: There are yet no reviews for this product.
Please log in to write a review.