



| | TOUGHBOOK C1 | TOUGHBOOK S10 | TOUGHBOOK F9 | TOUGHBOOK 74 | TOUGHBOOK 52 | TOUGHBOOK 53 | TOUGHPAD A1 | TOUGHBOOK U1 ESSENTIAL | TOUGHBOOK U1 ULTRA | TOUGHBOOK H2 | TOUGHBOOK 19 | TOUGHBOOK 31 |
|--|--|---------------------------------|--|--|--|--|--|--|--|--|--|--|
| RUGGED FEATURES | | | | | | | | | | | | |
| HDD HEATER | | | | | | | Optional | n/a | n/a | • | • | • |
| PANASONIC CIRCULUMIN™ TECHNOLOGY | | | | | | | Select Models | | | • | • | • |
| TRANSFLECTIVEPLUS DISPLAY | | | | | | | | | • | • | • | • |
| IP65 CERTIFIED ¹ | | | | | | | • | • | • | • | • | • |
| MIL-STD-810G CERTIFIED ¹ | | | | | | | • | • | • | • | • | • |
| FANLESS OR HYBRID COOLING SYSTEM | | | | | | | • | • | • | • | • | • |
| COVERED PORTS | | | | • | • | | • | • | • | • | • | • |
| ANTI-REFLECTIVE SCREEN TREATMENT | | | | • | • | | Select Models | • | • | • | • | • |
| QUICK-RELEASE HARD DRIVE | • | | | • | • | | • | | | | • | • |
| HAND STRAP/HANDLE | • | | • | • | • | | • | • | • | • | • | • |
| FLEXIBLE HARD DRIVE CONNECTOR | • | • | • | • | • | | • | • | • | • | • | • |
| SHOCK-MOUNTED HDD OR SSD | • | • | • | • | • | | • | • | • | • | • | • |
| LCD MOUNTING PROTECTION | • | • | • | • | • | | • | • | • | • | • | • |
| ANTI-GLARE SCREEN TREATMENT | • | • | • | • | • | | • | • | • | • | • | • |
| MAGNESIUM ALLOY CASING OR CHASSIS | • | • | • | • | • | | • | • | • | • | • | • |
| SPILL-RESISTANT KEYBOARD | • | • | • | • | • | | n/a | • | • | n/a | • | • |
| MIL-STD-810G DROP RATING | 1 ft (2.5 ft on base) | 1 ft (2.5 ft on base) | 1 ft (2.5 ft on base) | 1 ft | 1 ft (2.5 ft 6 sides) | 3 ft | 4 ft | 6 ft ¹ | 6 ft ¹ | 6 ft ¹ | 6 ft ¹ | 6 ft ¹ |
| 3-YEAR WARRANTY | • | • | • | • | • | • | • | • | • | • | • | • |
| OUTDOOR VIEWABILITY | | | | Daylight | | Sunlight (Select Models) | Daylight | Daylight | Sunlight | Sunlight | Sunlight | Sunlight |
| WIRELESS FEATURES | | | | | | | | | | | | |
| GPS OPTION | | | | | | | • | • | • | • | • | • |
| FIELD-UPGRADABLE MOBILE BROADBAND | • | • | • | • | • | • | | | | | • | • |
| MOBILE BROADBAND OPTION | • | • | • | • | • | • | • | • | • | • | • | • |
| WI-FI | • | • | • | • | • | • | • | • | • | • | • | • |
| BLUETOOTH® | • | • | • | • | • | | Select Models | • | • | • | • | • |
| PERFORMANCE FEATURES | | | | | | | | | | | | |
| OPERATING SYSTEM | Genuine Windows® 7 Professional ² | Genuine Windows® 7 Professional | Genuine Windows® 7 Professional ² | Genuine Windows Vista® Business ² | Genuine Windows® 7 Professional ² | Genuine Windows® 7 Professional ² | Android™ 3.2 | Genuine Windows Vista® Business ² | Genuine Windows® 7 Professional ² | Genuine Windows® 7 Professional ² | Genuine Windows® 7 Professional ² | Genuine Windows® 7 Professional ² |
| CONVERTIBLE LAPTOP TO TABLET | • | | | | | | | | | | • | |
| DISPLAY IMAGE ROTATION | • | | | | | | • | • | • | • | • | • |
| SUPPORTS TOUCH | • | | | • | | | Select Models | • | • | • | • | • |
| SUPPORTS GESTURES | • | | | | | | Touchpad | • | | | | |
| SUPPORTS ELECTRONIC STYLUS (DIGITIZER) | Select Models | | | | | | • | | | • | Select Models | |
| INTERNAL OPTICAL DRIVE | | • | • | • | • | • | | | | | | Optional |
| SCREEN SIZE | 12.1" Widescreen | 12.1" Widescreen | 14.1" Widescreen | 13.3" XGA | 15.4" Widescreen | 14.0" HD | 10.1" XGA | 5.6" Widescreen | 5.6" Widescreen | 10.1" XGA | 10.1" XGA | 13.1" XGA |
| CHIPSET | Intel® Core™ i5 | Intel® Core™ i5 | Intel® Core™ i5 | Intel® Core™ 2 | Intel® Core™ i5 | Intel® Core™ i5 or i3 | Marvel® | Intel® Atom™ | Intel® Atom™ | Intel® Core™ i5 | Intel® Core™ i5 | Intel® Core™ i5 or i3 |
| DEDICATED GRAPHICS | | | | | • | | | | | | | Select Models |
| BASE STORAGE | 320GB HDD (7200rpm) | 320GB HDD (5400rpm) | 320GB HDD (5400rpm) | 160GB HDD (5400rpm) | 320GB HDD (7200rpm) | 320GB HDD (7200 & 5400rpm) | 16GB Flash | 16GB SSD | 64GB SSD | 320GB HDD (7200rpm) | 320GB HDD (7200rpm) | 320GB HDD (7200 & 5400rpm) |
| MEMORY | 2-8GB | 4-8GB | 2-6GB | 2-4GB | 4-16GB | 2-8GB | 1GB | 1GB | 2GB | 4-8GB | 4-8GB | 2-8GB |
| WEIGHT (LBS.) | 3.28 (3.73 w/opt. 2 nd battery) | 3.0 | 3.6 | 6.0 | 7.5 | 5.6-6.5 | 2.1 | 2.3 ³ | 2.3 ³ | 3.5 ³ | 5.1 | 7.9-8.2 |
| BATTERY LIFE ³ | 6 hours (12 hours w/opt. 2 nd battery) | 12.5 hours | 7 hours | 8 hours | 4 hours | 7-10 hours | 10 hours ⁴ (simulated real world conditions) | 9 hours ⁵ | 9 hours ⁵ | 6.5 hours ⁵ | 8.5 hours | 7.5-13.5 hours (20 hours w/opt. 2 nd battery) ⁶ |
| HOT-SWAPPABLE BATTERY DESIGN | • | | | | | | | • | • | • | | |

¹ Tested by a national independent third party lab following MIL-STD-810G Method 516.6 Procedure IV for transit drop and IEC 60529 Sections 13.4, 13.6.2, 14.2.5 and 14.3 for IP65

² A full set of Windows XP drivers are available at panasonic.com/toughbook/support

³ Battery life, unless otherwise stated, is based on MobileMark

⁴ Battery test results based on 100 nit, Wi-Fi on, running video at 50% audio level

⁵ With both batteries

⁶ Available on select models

877-870-3806

