



	TOUGHBOOK C1	TOUGHBOOK S10	TOUGHBOOK F9	TOUGHBOOK 74	TOUGHBOOK 52	TOUGHBOOK 53	TOUGHPAD	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

1.800.662.3537	panasonic.com/toughbook
SOLUTIONS	IS OUR MIDDLE NAME