PANASONIC TOUGHBOOK FAMILY QUICK REFERENCE GUIDE

Panasonic

	TOUGHBOOK 55	TOUGHBOOK 40	TOUGHBOOK 33	TOUGHBOOK G2	TOUGHBOOK A3	TOUGHBOOK S1	TOUGHBOOK N1	TOUGHBOOK N1 Tactical
SPECIFICATION	Laptop	Laptop	2-in-1 (w/opt. keyboard)	2-in-1 (w/opt. keyboard)	Tablet	Tablet	Handheld	Handheld
Operating System	Windows® 11 Pro[4]	Windows® 11 Pro[4]	Windows® 11 Pro[4]	Windows® 11 Pro[4]	Android 9	Android 10	Android 9	Android 9
Screen Size & Resolution	14" FHD (touch model) or HD	14" FHD	12.0" QHD	10.1" WUXGA	10.1" WUXGA	7" WXGA	4.7" HD	4.7" HD
Brightness (nit)	1000 (touch model)	1200	1200	1000	500	500	500	500
Touch Display	Optional Touch	Touch	Touch + Digitizer	Touch + Digitizer	Touch	Touch	Touch	Touch
Cameras	2MP Webcam	5MP IR Webcam	Rear Cam & IR Webcam	Rear Cam & IR Webcam	Rear Cam & Webcam	Rear Cam & Webcam	Rear Cam & Webcam	Rear Cam & Webcam
Optical Drive	Optional (DVD or Blu-ray)	Optional (DVD or Blu-ray)						
CPU	Intel® Core™ i5-1145G7 (i7 optional)	Intel® Core™ i5-1145G7 (i7 optional)	Intel® Core™ i5-10310U (i7 optional)	Intel® Core™ i5-10310U (i7 optional)	Qualcomm® SDM660	Qualcomm® SDM660	Qualcomm® SDM660-2	Qualcomm® SDM660-2
Dedicated Graphics		•[3]						
Starting Storage Drive	512-2TB SSD OPAL (optional 2nd SSD Drive)	512-2TB SSD OPAL (opt FIPS) (optional 2nd SSD Drive)	512-1TB SSD OPAL	512-1TB SSD OPAL	64GB Flash	64GB Flash	32GB Flash	64GB Flash
Memory (RAM)	16-64GB	16-64GB	16-32GB	16-32GB	4GB	4GB	3GB	4GB
Antenna Pass Through	Opt. (Dual)	Opt. (Quad - BIOS selectable)	Dual	Dual	Opt. (Dual)	Opt. (Dual)		
Dedicated GPS	Optional	Optional	Optional	Optional	•	•	•	•
SIM	2 (4FF + eSIM)	2 (4FF + eSIM)	2 (4FF + eSIM)	2 (4FF + eSIM)	2 (4FF)	2 (4FF)	2 (4FF)	2 (4FF)
Mobile Broadband	Optional (4G)	Optional (4G or 5G[3] modems)	Optional (4G)	Optional (4G)	Optional (4G)	Optional (4G)	Opt (4G); Voice also opt.	Opt (4G); Voice also opt.
FirstNet Ready™	•	•	•	•	•	•	•	
Swappable Battery	Optional Hot Swap	Optional Hot Swap	Hot Swap	Optional Hot Swap	Hot Swap	Warm Swap	Warm Swap	Warm Swap
Battery Life (hours)[1]	Up to 19 (38 with optional 2nd battery)	18 (36 with optional 2nd battery)	10 (20 with optional battery)	18.5	9 (15.5 with optional battery)	9 (14.5 with optional battery)	12 (19 with optional battery)	12
Starting Weight (lbs.)	4.6-4.9	7.4	3.4 (6.1 w/opt. Premium Keyboard)	2.9 (4.9 w/opt. keyboard)	2.0	1.0	0.6	0.6
RUGGEDNESS	Semi-Rugged	Fully-Rugged	Fully Rugged	Fully Rugged	Fully Rugged	Fully Rugged	Fully Rugged	Fully Rugged
Backlit Keyboard	Color-selectable	Color-selectable	Red	Color-selectable	N/A	N/A	N/A	N/A
Fanless					•	•	•	•
Covered Ports	•	•	•	•	•	•	•	•
Storage Drive Heater	•	•	•	•				
User-removable xPAK's	•	•		•				
User-Removable Storage	•	•	Optional	•	• (SD card)	• (SD card)	• (SD card)	• (SD card)
User-Removable Battery	•	•	•	•	•	•	•	•
Hand Strap/Handle	•	•	Optional	Optional	Optional	Optional	Optional	Optional
Magnesium Alloy Casing or Chassis	•	•	•	•			•	•
Spill-resistant Keyboard	•	•	•	•	N/A	N/A	N/A	N/A
IP Certified[2]	IP53	IP66	IP65	IP65	IP65	IP67	IP68	IP68
MIL-STD Certified	810H	810H, 461G, C1D2	810G, 461F, C1D2	810H, 461G, C1D2	810H	810H	810G	810G
MIL-STD-810G Drop	3 ft	6 ft	4 ft (5 ft Tablet only)	6 ft	6 ft	5 ft	7 ft	7 ft

1 Battery life for Window devices is based on MobileMark 2014 at 150 nit and using no cellular mobile broadband. Battery life for Android devices depends on user profile.
2 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 IP.
3 Late availability.
4. Windows® 11 Pro (Windows 10 Pro downgrade available)

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