

PANASONIC TOUGHBOOK® FAMILY QUICK REFERENCE GUIDE



| | TOUGHBOOK 55 | TOUGHBOOK 33 | TOUGHBOOK 20 | TOUGHBOOK G2 | TOUGHPAD FZ-G1 | TOUGHBOOK A3 | TOUGHBOOK S1 | TOUGHBOOK L1 | TOUGHBOOK T1 | TOUGHBOOK N1 | TOUGHBOOK N1 Tactical |
|-------------------------------------|--|--------------------------------------|------------------------------------|--------------------------------------|-------------------------------------|--------------------------------|--------------------------------|-------------------|-----------------------------|-------------------------------|-----------------------------|
| SPECIFICATION | Laptop | 2-in-1 (w/opt. keyboard) | 2-in-1 | 2-in-1 (w/opt. keyboard) | Tablet | Tablet | Tablet | Tablet | Handheld | Handheld | Handheld |
| Operating System | Windows 10 Pro | Windows 10 Pro | Windows 10 Pro | Windows 10 Pro | Windows 10 Pro | Android 9 | Android 10 | Android 8.1 | Android 9 | Android 9 | Android 9 |
| Screen Size & Resolution | 14" FHD (touch model) or HD | 12.0" QHD | 10.1" WUXGA | 10.1" WUXGA | 10.1" WUXGA | 10.1" WUXGA | 7" WXGA | 7" HD | 5" HD | 4.7" HD | 4.7" HD |
| Brightness (nit) | 1000 (touch model) | 1200 | 800 | 1000 | 800 | 500 | 500 | 380 | 420 | 500 | 500 |
| Touch Display | Optional Touch | Touch + Digitizer | Touch + Digitizer | Touch + Digitizer | Touch + Digitizer | Touch | Touch | Touch | Touch | Touch | Touch |
| Cameras | IR Webcam | Rear Cam & IR Webcam | Rear Cam & IR Webcam | Rear Cam & IR Webcam | Rear Cam & IR Webcam ³ | Rear Cam & Webcam | Rear Cam & Webcam | Rear Cam | Rear Cam | Rear Cam & Webcam | Rear Cam & Webcam |
| Optical Drive | Optional (DVD or Blu-ray) | | | | | | | | | | |
| CPU | Intel® Core™ i5-1145G7 (i7 optional) | Intel® Core™ i5-10310U (i7 optional) | Intel® Core™ i5-7Y57 | Intel® Core™ i5-10310U (i7 optional) | Intel® Core™ i5-7300U (i7 optional) | Qualcomm® SDM660 | Qualcomm® SDM660 | Qualcomm® MSM8909 | Qualcomm® MSM8909 | Qualcomm® SDM660-2 | Qualcomm® SDM660-2 |
| Starting Storage Drive | 512 GB SSD (OPAL) (optional 2nd SSD Drive) | 512 GB SSD (OPAL) | 256 GB SSD | 512 GB SSD (OPAL) | 256 GB SSD | 64 GB Flash | 64 GB Flash | 16 GB Flash | 16 GB Flash | 32 GB Flash | 64 GB Flash |
| Memory (RAM) | 16-64 GB | 16-32 GB | 8-16 GB | 16-32 GB | 8 GB | 4 GB | 4 GB | 2 GB | 2 GB | 3 GB | 4 GB |
| Antenna Pass Through | Optional | • | • | • | • | Optional | Optional | | | | |
| Dedicated GPS | Optional | Optional | Optional | Optional | Optional | • | • | • | • | • | • |
| SIM | 2 (4FF + eSIM) | 2 (4FF + eSIM) | 1 (4FF) | 2 (4FF + eSIM) | 1 (4FF) | 2 (4FF) | 2 (4FF) | 1 (4FF) | 1 (4FF) | 2 (4FF) | 2 (4FF) |
| Mobile Broadband | Optional | Optional | Optional | Optional | Optional | Optional | Optional | Optional | Optional (& optional voice) | Optional (& optional voice) | Optional (& optional voice) |
| FirstNet™ Certified | • | • | • | • | • | • | • | | | • | |
| Swappable Battery | Optional Hot Swap | Hot Swap | Hot Swap | Optional 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) | 10 (20 with optional battery) | 8.5 (17 with optional 2nd battery) | 18.5 | 11 (22 with optional battery) | 9 (15.5 with optional battery) | 9 (14.5 with optional battery) | 9 | 12 | 12 (19 with optional battery) | 12 |
| Starting Weight (lbs.) | 4.6-4.9 | 3.4 (6.1 w/opt. Premium Keyboard) | 3.9 | 2.9 (4.9 w/opt. keyboard) | 2.4 | 2.0 | 1.0 | 0.9 | 0.5 | 0.6 | 0.6 |
| RUGGEDNESS | Semi-Rugged | Fully Rugged | Fully Rugged | Fully Rugged | Fully Rugged | Fully Rugged | Fully Rugged | Fully Rugged | Fully Rugged | Fully Rugged | Fully Rugged |
| Backlit Keyboard | Color-selectable | Red | White | Color-selectable | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Fanless | | | • | | | • | • | • | • | • | • |
| Covered Ports | • | • | • | • | • | • | • | • | • | • | • |
| Storage Drive Heater | • | • | • | • | • | | | | | | |
| User-removable xPAK's | • | | | • | | | | | | | |
| User-Removable Storage | • | Optional | Optional | • | | • (SD card) | • (SD card) | • (SD card) | • (SD card) | • (SD card) | • (SD card) |
| User-Removable Battery | • | • | • | • | • | • | • | • | • | • | • |
| Hand Strap/Handle | • | Optional | • | Optional | Optional | Optional | Optional | Optional | Optional | Optional | Optional |
| Magnesium Alloy Casing or Chassis | • | • | • | • | • | | | | | • | • |
| Spill-resistant Keyboard | • | • | • | • | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| IP Certified ² | IP53 | IP65 | IP65 | IP65 | IP65 | IP65 | IP67 | IP67 | IP68 | IP68 | IP68 |
| MIL-STD-810G Certified ² | 3 ft | 4 ft (5 ft Tablet only) | 4 ft (5 ft Tablet only) | TBD | 4 ft | 6 ft | 5 ft | 5 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 Not available for models with dedicated GPS or 2nd USB.



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