Panasonic CONNECT

TOUGHBOOK®

PANASONIC TOUGHBOOK® FAMILY QUICK REFERENCE GUIDE






	TOUGHBOOK 56	TOUGHBOOK 40	TOUGHBOOK 33	TOUGHBOOK G2
SPECIFICATION	**Laptop**	**Laptop**	**2-in-1 (w/opt. keyboard)**	**2-in-1 (w/opt. keyboard)**
Operating System	Windows 11 Pro Red Hat Enterprise Linux 10.1	Windows 11 Pro Red Hat Enterprise Linux 10.1	Windows 11 Pro, Red Hat Enterprise Linux 9.4 & 10	Windows 11 Pro, Red Hat Enterprise Linux 9.4 & 10
Display	14" WUXGA 16:10 (opt. Touch)	14" FHD 16:9 Touch	12" QHD 3:2 Touch + Digitizer	10.1" WUXGA 16:10 Touch + Digitizer
Brightness (nit)	350 (opt. 1000 touchscreen)	1200	1200	1000
Intel® Core™ vPro™ Processor	Ultra 5 235H w/AI Boost (opt. Ultra 7)	Ultra 5 235H w/AI Boost (opt. Ultra 7)	i5-1345U (opt. Ultra 7)	Ultra 5 135U w/AI Boost
Graphics	Intel, Intel Arc, or AMD dGPU (8GB)	Intel, Intel Arc, or AMD dGPU (8GB)	Intel, Intel Iris Xe	Intel
Memory (RAM)	16–64GB (user-upgradeable)[3]	16–64GB (user-upgradeable)	16–32GB (factory installed)	16–32GB (factory installed)
Storage Drive	512–2TB Main SSD OPAL (opt. FIPS) (optional 2nd SSD Drive)	512–2TB Main SSD OPAL (opt. FIPS) (optional 2nd SSD Drive)	512–2TB SSD OPAL	512–2TB SSD OPAL
Wi-Fi	Wi-Fi 7	Wi-Fi 7	Wi-Fi 6E	Wi-Fi 6E
Cellular (WWAN)	Optional (4G or 5G)	Optional (4G or 5G)	Optional (4G or 5G)	Optional (4G or 5G)
Dedicated GPS	Optional	Optional	Optional	Optional[4]
Antenna Pass Through	Opt. (Dual - software selectable)	Opt. (Quad - software selectable)	Dual	Dual
Cameras	5MP IR Webcam	5MP IR Webcam	2MP IR Webcam & 8MP Rear Cam	2MP IR Webcam & 13MP Rear Cam
Optical Drive	Optional (DVD or Blu-ray)	Optional (DVD or Blu-ray)		
Swappable Battery	Optional Hot Swap	Optional Hot Swap	Hot Swap	Optional Hot Swap
Battery Life (hours)[1]	12 (24 with optional 2nd battery)	12 (24 with optional 2nd battery)	7 (15 with optional battery)	14.5
Starting Weight (lbs.)	4.7 - 5.0	7.5	3.4 (6.2 w/opt. Premium Keyboard)	2.9 (4.9 w/opt. keyboard)
RUGGEDNESS	**Rugged**	**Fully Rugged**	**Fully Rugged**	**Fully Rugged**
Magnesium Alloy	•	•	•	•
Corning® Gorilla® Glass	•	•	•	•
Spill-resistant Keyboard	•	•	•	•
Backlit Keyboard	Color-selectable	Color-selectable	Red	Color-selectable
Covered Ports	•	•	•	•
Storage Drive Heater	•	•	•	•
Hand Strap/Handle	•	•	Optional	Optional
User-Removable Battery	•	•	•	•
User-Removable Storage	•	•	Optional	•
User-Removable Memory	•[3]	•		
User-Removable xPAK's	•[3]	•		•
User-Removable Keyboard		•		
Rugged Testing[2]	IP53, 810H	IP66, 810H, 461G, C1D2	IP65, 810H, 461G, C1D2	IP65, 810H, 461G, C1D2
Drop Rating	3 ft	6 ft	4 ft (5 ft Tablet)	6 ft

1 Battery test results for TOUGHBOOK 40 and 56 use MobileMark 30 (250 nit, Windows 11, Wi-Fi off, Professional scenario). Other models use MobileMark 25 (250 nit, Windows 11, connected to Wi-Fi, Office Productivity and Creativity scenarios).
2 Tested by a national, independent, third-party lab following MIL-STD-810H Method 516.8 Procedure IV for transit drop and IEC 60529 Sections 13.4, 13.6.2, 14.2.5 and 14.3 for IP.
3 RAM, Left & Rear Expansion areas are not user-upgradeable on TOUGHBOOK 56 dGPU model.
4 Not available with 5G modem.

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