


	Panasonic TOUGHBOOK® 55 Mk2	Panasonic TOUGHBOOK® 55 Mk3
1 Form Factor	Laptop	Laptop
2 Rugged Level	Semi Rugged	Semi Rugged
3 810G Drop Rating	3 foot	3 foot
4 IP Rating	53	53
5 461F	-	-
6 C1D2 Haz Loc	-	-
7 Storage Drive Heater	Yes	Yes
8 Handle	Yes	Yes
9 Processor	Intel® Core™ i5-1145G7 vPro (up to 4.4GHz) - 4 cores Intel® Core™ i7-1185G7 vPro (up to 4.8GHz) - 4 cores	Intel® Core™ i5-1345U vPro (up to 4.7GHz) - 10 cores (2 perf, 8 eff) Intel® Core™ i7-1370P vPro (up to 5.2GHz) - 14 cores (6 perf, 8 eff)
10 Processor Class & Generation	Standard Voltage - 11th Gen (Tiger Lake)	Standard Voltage - 13th Gen (Raptor Lake)
11 Cache	8MB (12MB on i7)	12MB (24MB on i7)
12 Display	Optional touchscreen (capacitive)	Optional touchscreen (capacitive)
13 Resolution	14.0" HD (112 PPI); opt. FHD touch 1000 nit (157 PPI); special request FHD non-touch 1000 nit (157 PPI)	14.0" HD (112 PPI); opt. FHD touch 1000 nit (157 PPI); special request FHD non-touch 1000 nit (157 PPI)
14 Glove & Wet Operation	Yes	Yes
15 Video Adapter	Intel® UHD Graphics for 11th Gen Intel® Processors Optional Intel® Iris® Xe	Intel® UHD Graphics Optional Intel® Iris® Xe
16 Operating Systems	Win11 or Win10(11DG)	Win11 (but customers can load Win10 with VLA / PSG with service / etc)
17 Memory (RAM)	16-64GB DDR4 (2400MHz) user-upgradeable	16-64GB DDR4x (3200MHz) user-upgradeable
18 Main Storage Drive	512GB-2TB OPAL SSD (NVMe)	512GB-2TB OPAL SSD (NVMe)
19 Main Storage Drive Removable	Yes (Quick-release)	Yes (Quick-release)
20 2nd Storage Drive	512GB-1TB OPAL SSD (SATA)	512GB-1TB OPAL SSD (NVMe)
21 2nd Storage Drive Removable	Yes (Quick-release)	Yes (Quick-release)
22 Optical Drive	Optional (DVD or Blu-ray) - 3rd party read/write/play software incl	Optional (DVD or Blu-ray) -- Windows read/write/play software
23 Webcam	1080p Infrared; Privacy Cover	1080p Infrared; Privacy Cover
24 Mic	x4 (no AI noise reduction)	x2 (with AI noise reduction)
25 Rear Camera	-	-
26 Speakers	x2 (92db)	x2 (92db); MaxxAudio
27 Audio 3.5mm Port	x1	x1
28 USB-A Ports	x2 (10 Gbps, 5 Gbps), optional 3rd USB (5 Gbps)	x2 (10 Gbps, 5 Gbps), optional 3rd USB (5 Gbps)
29 USB-C Ports	x1 (40 Gbps Thunderbolt 4) with PD	x1 (40 Gbps Thunderbolt 4) with PD
30 Rugged Fischer USB Port	Optional	Optional
31 SD Card Slot	x1 (MicroSDXC)	x1 (MicroSDXC)
32 Video Outputs	x2 (optional 3rd) - HDMI & USB-C standard, VGA optional	x2 (optional 3rd) - HDMI & USB-C standard, VGA optional
33 Serial Port (True)	Optional	Optional
34 PC Card Slot	-	-
35 Ethernet	x1 (1 Gbps); optional 2nd	x1 (1 Gbps); optional 2nd
36 Wi-Fi	Wi-Fi 6	Wi-Fi 6E
37 Wi-Fi Processor	Intel® AX201 (up to 2.4 Gbps)	Intel® AX211 (up to 2.4 Gbps)
38 Bluetooth	5.1, Class 1 (2 Mbps)	5.3, Class 1 (2 Mbps)
39 Mobile Broadband	4G EM7511 (up to 600 Mbps)	4G EM7511 (up to 600 Mbps)
40 SIM	x2 (physical + eSIM)	x2 (physical + eSIM)
41 Dedicated GPS (dGPS)	Optional (u-blox M8N)	Optional (u-blox M9N)
42 Dual Pass	Optional	Optional
43 Keyboard	Yes (Color-selectable backlight)	Yes (Color-selectable backlight)
44 Keyboard Removable	Yes	Yes
45 Kensington Lock Slot	x1	x1
46 TPM	2.0	2.0
47 Intel® Hardware Shield	Yes	Yes
48 Microsoft Secured-Core PC	Yes	Yes
49 Persistence® Technology in BIOS	Yes	Yes
50 Fingerprint Reader	Optional (Active Dir or MSFT SC-PC)	Optional (Active Dir or MSFT SC-PC)
51 Insertable SmartCard Reader	Optional (up to 2 locations)	Optional (up to 2 locations)
52 Contactless SmartCare Reader	Optional	Optional (adds support for ISO15693)*
53 Barcode Reader	Optional	Optional
54 Hot Swap	Optional (with 2nd battery)	Optional (with 2nd battery)
55 Battery Life**	MobileMark 2014: 19 hrs (38 hrs w/optional long life batteries) MobileMark 25: 10 hrs (20 hrs w/optional long life batteries)	MobileMark 25: 10 hrs (20 hrs w/optional long life batteries)
56 Dimensions (including handle)	10.7" x 13.6" x 1.3"	10.7" x 13.6" x 1.3"
57 Bump Out	No (all models flat)	No (all models flat)
58 Modular Design	Yes	Yes
59 Weight	4.6 lbs (non-touch model); 4.9 lbs (touch model)	4.6 lbs (non-touch model); 4.9 lbs (touch model) New mk3 USB-C + USB-A rear xPAK*; New mk3 skus for main SSD / 2nd SSD / DVD / Blu-ray / BCR*
60 Other	n/a	

* Available January 2024

** Mobilemark 25 has tougher test conditions (higher nits, adds movie editing & audio)

 Shaded cells indicate a difference