

TOUGHBOOK 54 AND TOUGHBOOK 55

SIDE BY SIDE MODEL COMPARISON

FEATURES	PANASONIC TOUGHBOOK 54 MK3	PANASONIC TOUGHBOOK 55 MK1
Form Factor	Laptop	Laptop
Rugged Level	Semi Rugged	Semi Rugged
810G Drop Rating	3 foot	3 foot
IP Rating	51	53
Storage Drive Heater	Yes	Yes
Handle	Yes	Yes
Processor	Intel® Core™ i5-7300U 2.6GHz vPro™ (Turbo Boost up to 3.5GHz) Intel® Core™ i7 (special order)	Intel® Core™ i5-8365U 1.6GHz vPro™ (Turbo Boost up to 4.1GHz) Intel® Core™ i7 (special order)
Processor Class & Generation	Standard Voltage - 7th Gen dual-core (Kaby Lake)	Standard Voltage - 8th Gen quad-core (Whiskey Lake)
Cache	3MB (4MB on i7)	6MB (8MB on i7)
Display	Optional touchscreen (capacitive)	Optional touchscreen (capacitive)
Resolution	14.0" HD (112 PPI); FHD touch/perf (157 PPI)	14.0" HD (112 PPI); opt. FHD touch 1000 nit (157 PPI); special order FHD non-touch 1000 nit (157 PPI)
Glove & Wet Operation	Yes	Yes
Video Adapter	Intel® HD 620; AMD Radeon™ Pro WX 4150 (perf model)	Intel® UHD 620; Optional AMD Radeon™ Pro WX 4150
Operating Systems	Windows® 10 Pro	Windows® 10 Pro
Memory (RAM)	8-32GB DDR4 user-upgradeable	8-32GB DDR4 user-upgradeable
Main Storage Drive	256GB-1TB SSD	512GB-1TB SSD (256GB available special order)
Main Storage Drive Removable	Yes – Quick-release	Yes – Quick-release
2nd Storage Drive	256GB-1TB SSD	512GB-1TB SSD (256GB available special order)
2nd Storage Drive Removable	No	Yes – Quick-release
Optical Drive	Optional (DVD); special order (Blu-ray)	Optional (DVD or Blu-ray)
Webcam	1080p	1080p IR with privacy cover
Mic	x2 (dual array)	x4 (tetra-array)
Speakers	x2 (85db)	x2 (92db)
Audio 3.5mm Port	x1	x1
USB Type A Ports	x3 (USB 3.0), optional USB 2.0 x1	x2 (3.1 Gen 1), optional 3rd USB 3.1 Gen 1
USB Type C Ports	-	x1 (3.1 Gen 1) with optional PD
Rugged Fischer® USB Port	Optional	Optional
SD Card Slot	x1 (SDXC)	x1 (MicroSDXC)
Video Outputs	x1 (optional 2nd) – HDMI 1.4 standard, VGA optional	x2 (optional 3rd) – HDMI 2.0 & USB-C standard, VGA optional
Serial Port (True)	Optional	Optional
PC Card Slot	Optional	-
Ethernet	1 Gbps x1 (optional 2nd)	1 Gbps x1 (optional 2nd)
Wi-Fi	802.11 a/b/g/n/ac	802.11 a/b/g/n/ac
Wi-Fi Processor	Intel Dual Band Wireless-AC 8265 (up to 867 Mbps)	Intel Wireless-AC 9560 (up to 1.7 Gbps)
Bluetooth	4.1 (Class 1)	5.0 (Class 1)
Mobile Broadband	4G LTE (7455 or EM7511 Band 14)	4G LTE (EM7511 Band 14)
Dedicated GPS (dGPS)	Optional (u-blox M8N)	Optional (u-blox M8N)
Dual Pass	Optional	Optional
Keyboard	Yes (Red backlight)	Yes (Color-selectable backlight)
Keyboard Removable	No	Yes
Kensington Lock Slot	x1	x1
TPM	2.0	2.0
Persistence® Technology in BIOS	Yes	Yes
Fingerprint Reader	Optional (swipe)	Optional (touch)
Insertable SmartCard Reader	Optional (up to 2 locations)	Optional (up to 2 locations)
Contactless SmartCare Reader	Optional	Optional
Hot Swap	Optional (with 2nd battery)	Optional (with 2nd battery)
Battery Life	12h prime model (20h w/opt 2nd battery) MobileMark 2014	20h non-touch model (40h w/opt 2nd battery) MobileMark 2014
Dimensions (including handle)	10.7" x 13.6" x 1.2" (1.5" with bump out)	10.7" x 13.6" x 1.3"
Bump Out	Yes (some models)	No (all models flat)
Modular Design	No	Yes
Weight	4.4 lbs (prime model)	4.6 lbs (non-touch model)

Shaded cells indicate a difference