



# TOUGHBOOK 55 HD MODEL MAKE IT YOURS

## 14" RUGGED WINDOWS 11 PRO NOTEBOOK WITH HD DISPLAY

TOUGHBOOK 55 with Windows 11 Pro, magnesium chassis, flexible configurations and universal bay is the most versatile 14" rugged Toughbook ever built, but doesn't compromise on durability, with a unique 'honeycomb' design for improved strength and splash resistant design.

In terms of flexibility, the TOUGHBOOK 55 is equally outstanding. It offers a huge array of flexible configuration options, making it easier for customers to have exactly the device they want.

- Intel® Core™ i5-1145G7 vPro™ Processor
- Windows 11 Pro / Windows 10 Downgrade Model available
- 14" HD Active Matrix LCD
- Lightweight and slim design (approx. 2.08 kg and 32.8mm)
- 8GB DDR4 RAM and 256GB NVMe OPAL SSD as standard
- 2x USB 3.2, 1x Thunderbolt 4, 1x HDMI, 1x LAN and micro SDXC
- Front and Rear Expansion Slot
- TOUGHBOOK Universal Bay
- Long battery life of up to 19 hours (MobileMark 2014)
- Dedicated Global Positioning and 4G LTE with eSIM support optional
- -29 °C to +60 °C operating temperature
- Robust honeycomb-style magnesium casing with carry handle
- IP53 Ingress Protection\*\*
- Withstands drops from a height of 91cm\*\*
- Shock and vibration protected for vehicle docking

\*\* Tested by an independent third party lab following MIL-STD-810H and IEC 60529



**TOUGHBOOK**



# MAKE IT YOURS

Breaking the mould for rugged notebooks, the TOUGHBOOK 55 is only around 32mm thin. Equipped with Windows 11 Pro and the new 11th-generation Intel® Core™ i5 vPro™ processor which delivers faster computing power, the TOUGHBOOK 55 sets a new benchmark.



Mobile Computing Platform	Intel® Core™ i5-1145G7 vPro™ processor (1.1GHz up to 4.4GHz)	
Operating System	Windows 11 Pro	Windows 10 Downgrade Model available
RAM	8GB DDR4 RAM (max. 64GB)	
Graphic Chip	Intel® UHD Graphics, support Intel® Iris® Xe Graphics when 2 RAM Modules installed	
Storage	256GB NVMe OPAL SSD [with heater]	
LCD	14" Active Matrix (TFT) colour LCD 1366 x 768 pixels (HD)	
Sound	WAVE and MIDI playback, Intel® High Definition Audio subsystem support	
Enhanced Voice Recognition*	4 Microphones (included in Front Camera)	
LAN	IEEE 802.3 10Base-T / IEEE 802.3u 100BASE-TX / IEEE 802.3ab 1000BASE-T (2nd GLAN optional)	
Front Camera*	2 MP with IR / privacy shutter (Windows Hello compliant)	
Bluetooth™	5.1	
Wireless LAN	Intel® Wi-Fi6 AX201	
Mobile Broadband*	4G LTE, EM7455, eSIM support	
Global Positioning*	u-blox NEO-M8N (supports GPS, GLONASS, Beidou, Galileo)	
Interfaces	USB 3.2	x2
	Thunderbolt 4	x1
	Micro SDXC Memory Card	x1
	HDMI	x1
	Headset	x1
	DC In	x1
	Port Replicator	x1
	Dual Path Through Connector*	x1
	TOUGHBOOK Universal Bay**	2nd SSD Smart Card Reader DVD Multi Drive Blu Ray Drive
Front Expansion Slot**	2nd Battery Fingerprint Reader HF-RFID Reader (Contactless Smart Card) Smart Card Reader	
	Rear Expansion Slot**	
	VGA + True Serial + 4th USB 3.2 VGA + True Serial + 2nd native GLAN VGA + True Serial + Rugged USB 2.0	
Power	AC Adapter	Input: 100V - 240V AC, 50Hz/ 60Hz, Output: 15.6V DC, 7.05A
	Battery	Lithium-Ion 10.8V, 6500mAh (typ.), 6300mAh (min.)
	Battery Life	Approx. 19 hours (Mobile Mark™ 2014) Approx. 38 hours with 2nd battery (Mobile Mark™ 2014)
	Power Management	Standby function, ACPI BIOS
	Hot Swap*	With 2nd Battery
Dimensions (WxHxD)	345mm x 272mm x 32.8mm	
Weight	Approx. 2.08 kg	
Testing Standards***	Drop Resistance	91cm
	Dust Resistance	IP5x
	Water Resistance	IPx3
	Operating Temperature	-29°C to +60°C
	Standard Configuration	FZ-55mk2 (HD), 8GB RAM, 256GB SSD, battery pack
Included in the box	Power Supply, Power Cord, Display cleaning cloth and User Manual	

TOUGHBOOK 55 HD: April 2022

\* Optional, \*\*Exclusive option, pre configured or accessory, \*\*\*Tested by an independent third party lab following MIL-STD-810H and IEC 60529

Active Matrix colour display conforms to industry standards. Some displays may contain isolated illuminated or dark pixels as an artefact of the manufacturing process (effective pixels: minimum 99.998%). RAM capacity calculated as follows: 1MB = 1,048,576 bytes. Capacity calculated as follows: 1GB = 1,000,000,000 bytes. Toughbook is a brand name and registered trademark of Panasonic Corporation. Acrobat® is a registered trademark of Adobe® Systems Incorporated. Intel, the Intel logo, Intel Core, Intel vPro, Core Inside and vPro Inside are trademarks of Intel Corporation in the U.S. and other countries. Microsoft® and Windows® are registered trademarks of Microsoft® Corporation of the United States and/or other countries. All other brand names shown are the registered trademarks of the relevant companies. All rights reserved. All working conditions, times and figures quoted are optimum or ideal levels and may differ as a result of individual and local circumstances.