



TOUGHBOOK 55 MK2 MAKE IT YOURS

14" RUGGED WINDOWS 10* PRO NOTEBOOK WITH USER CONFIGURABLE OPTIONS

* Windows 10 Pro available through downgrade rights from Windows 11 Pro licence

TOUGHBOOK 55 Mk2 with Windows 10 Pro available through downgrade rights from Windows 11 Pro licence, magnesium chassis, flexible configurations and universal bay is the most versatile 14" semi-rugged Toughbook ever built, but doesn't compromise on durability, with an unique 'honeycomb' design for improved strength and splash resistant design.

In terms of flexibility, the TOUGHBOOK 55 Mk2 is equally outstanding. It offers a huge array of flexible self configuration options, making it easier to customise the device to suit multiple job roles and business needs as they change.

- Intel® Core™ i5-1145G7 vPro™ Processor
- Windows 10 Pro available through downgrade rights from Windows 11 Pro licence
- 14" HD (WXGA) or Full-HD Active Matrix Display, with optional capacitive Touch Screen (max 1,000cd/m² brightness touchscreen model)
- Lightweight and slim design (approx 2.08 kg to 2.22 kg depending on configuration, and 32.8mm)
- 8GB RAM (expandable up to 64GB max) and 256GB SSD
- 2x USB 3.2, 1x Thunderbolt 4, 1x HDMI, 1x LAN and micro SDCX
- Front and Rear Expansion Slot
- TOUGHBOOK Universal Bay

- Long battery life of up to 19 hours (MobileMark 2014)
- Dedicated Global Positioning and 4G LTE 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

* Designed for MIL-STD810H. Test by an independent third party lab following 2nd half of 2019

TOUGHBOOK





MAKE IT YOURS

Breaking the mould for rugged notebooks, the TOUGHBOOK 55 Mk2 is only around 32mm thin. Equipped with Windows 10 Pro available through downgrade rights from Windows 11 Pro licence and the new 11th-generation Intel® Core™ i5 vPro™ processor which delivers faster computing power, the TOUGHBOOK 55 Mk2 sets a new benchmark.



Mobile Computing Platform	Intel® Core™ i5-1145G7 vPro™ processor (1.6GHz up to 4.1GHz, 6MB Intel® Smart Cache)	
Operating System	Windows 10 available through downgrade rights from Windows 11 Pro licence	
RAM	8GB RAM (max 64GB)	
Graphic Chip	Intel® UHD Graphics 620	
Storage	256GB SSD	
LCD	14" Active Matrix (TFT) LCD 1366x768 (WXGA) or 1920x1080 (Full-HD), optional capacitive 10 finger Touch Screen	
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 (standard configuration on Full-HD models only)	
Bluetooth™	5.1	
Wireless LAN	Intel® WiFi 6 A x 201	
Mobile Broadband*	Optional 4G LTE, EM7430	
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 (256 GB / 512 GB / 1 TB) and OPAL (25 GB / 512 GB / 1 TB)	
	Smart Card Reader	
	DVD Multi Drive	
	Blu Ray Drive	
Front Expansion Slot**	2nd Battery	
	Fingerprint Reader	
	Contactless Smart Card Reader (HF-RFID)	
	Smart Card Reader	
Rear Expansion Slot***	VGA + True Serial + 4th USB 3.2 (standard configuration on Full-HD models only)	
	VGA + True Serial + 2nd native GLAN	
	VGA + True Serial + Rugged USB 2.0	
Optional Accessories*	Backlit Keyboard, 8 GB / 16 GB RAM	
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 to 2.22 kg depending on configuration	
Testing Standards***	Drop Resistance	91cm
	Dust Resistance	IP5x
	Water Resistance	IPx3
	Operating Temperature	-29°C to + 60°C
Included in the box	Power supply, power cord, capacitive pen, display cleaning cloth and user manual	

FZ-55mk2: 12.03.2022

* Optional, ** Exclusive option, pre configured or accessory, *** Exclusive option, pre configured ****Designed for MIL-STD810H. Test by an independent third party lab following 2nd half of 2019.

The FZ-55 Mk2 comes pre-installed with Windows 10 Pro Downgrade Software, and includes a licence for Windows 11. End Users may use only one version at a time / switching between versions requires uninstalling the other version.

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.

