



TOUGHBOOK 55

MAKE IT YOURS

14" RUGGED WINDOWS 10 PRO NOTEBOOK

TOUGHBOOK 55 with Windows 10 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™ i5-8365U vPro Processor / Intel® Core™ i7-8665U vPro Processor
- Windows 10 Pro
- 14" Active Matrix (TFT) colour LCD
- Lightweight and slim design
- 8GB RAM and 256GB SSD as standard
- 2x USB 3.1, 1x USB 3.1 type C PD, 1x HDMI, 1x LAN and micro SDCX
- Front and Rear Expansion Slot
- TOUGHBOOK Universal Bay
- Long battery life of up to 20 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*
- 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





MAKE IT YOURS

BREAKING THE MOULD FOR RUGGED NOTEBOOKS, THE TOUGHBOOK 55 IS ONLY AROUND 32MM THIN. EQUIPPED WITH WINDOWS 10 PRO AND THE NEW 8TH GENERATION INTEL® CORE™ I5 VPRO™ PROCESSOR WHICH DELIVERS FASTER COMPUTING POWER, THE TOUGHBOOK FZ-55 SETS A NEW BENCHMARK.



Mobile Computing Platform	Intel® Core™ i5-8365U vPro Processor / Intel® Core™ i7-8665U vPro Processor (1.6 GHz up to 4.1 GHz with Intel Turbo Boost Technology, 6 MB Cache) / (1.9 GHz up to 4.8 GHz with Intel® Turbo Boost Technology, 8 MB Cache)	
Operating System	Windows 10 Pro	
Memory & Storage	8GB RAM (32GB Max.) 256GB / 512GB / 1TB SSD option	
Display	HD:	14" Active Matrix (TFT) colour LCD 1366 x 768 pixels
	Full-HD:	14" Active Matrix (TFT) colour LCD 1920 x 1080 pixels / with 1,000 cd/m2{nit}
	Full-HD Touch:	Capacitive 10 finger Touch Screen / Touch (Glove) and Pen mode with 1,000 cd/m2{nit}
	Graphic Chip:	Intel UHD Graphics 620 optional: AMD Radeon Pro WX in TOUGHBOOK Universal Bay
Front Camera*	2 MP with IR / privacy shutter (Windows Hello compliant)	
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)	
Bluetooth	5.0	
Wireless LAN	Intel® Dual Band Wireless-AC 9560	
Mobile Broadband*	4G LTE	
GPS*	u-blox NEO-M8N (supports GPS, GLONASS, Beidou, Galileo, GAGAN)	
Interfaces	USB 3.1	x2
	USB 3.1 type C PD	x1
	Micro SDXC Memory Card	x1
	HDMI	x1
	Headset	x1
	DC In	x1
	Port Replicator	x1
	Dual Path Through Connector*	x1
	nano SIM slot	x1
	TOUGHBOOK Universal Bay Optional**	Select One
Front Expansion Slot Optional**	Select One	2nd Battery Finger Print Reader Contactless Smart Card Reader (HF-RFID) Smart Card Reader
Rear Expansion Slot Optional**	Select One	VGA + True Serial + 4th USB 3.0 VGA + True Serial + 2nd 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 HD	Approx. 20 hours (Mobile Mark™ 2014) Approx. 40 hours with 2nd battery (Mobile Mark™ 2014)
	Battery Life Full-HD/ Touch Screen	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	HD:	Approx. 2.08kg
	Full-HD:	Approx. 2.13kg
	Full HD Touch:	Approx. 2.22kg
Ruggedisation****	Dust & Water resistance test	IP53
	Gravity drop resistance test	91cm
	Operating temperature	-29°C to +60°C
	Storage temperature	-51°C to +71°C
Backlit Keyboard	Optional	

FZ-55mk1

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

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.