



14" RUGGED WINDOWS 11 PRO NOTEBOOK HD OR FULL-HD TOUCHSCREEN

TOUGHBOOK 55 mk3

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 an 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 configuration options, making it easier for customers to have exactly the device they want.

Key Features

Intel® Core™ i5 1345U vPro™ Processor or Intel® Core™ i7 1370P vPro™ Processor

Windows 11 Pro

14" HD Active Matrix LCD (HD) or 14" Full-HD Active Matrix LCD and capacitive Touchscreen, 1.000cd/m² brightness (Full-HD Touchscreen)

Maximum flexibility by two Expansion Slots and TOUGHBOOK Universal Bay

Up to 10 hours battery life with standard battery (up to 20 hours with optional 2nd battery)

TOUGHBOOK





TOUGHBOOK 55 mk3

Future-proofed for industry needs

The TOUGHBOOK 55 is ideal for automotive R&D engineers who need a rugged and reliable notebook to deal with challenging conditions, whether testing in remote locations, the heat chamber, or the test track. With telemetry being captured in real-time, the device can easily handle huge data volumes with its superior storage and connectivity capabilities.

For utilities and field service repairs the TOUGHBOOK 55 stands out with its multiple configuration and connectivity options, including to legacy systems and specialist ports.

For defence and the emergency services, the TOUGHBOOK 55 offers high levels of data protection as a Microsoft Secured-core PC and mission critical levels of connectivity.

Combined with a lightweight design and an IP53 rating that protects against dust and water splashes, the TOUGHBOOK 55 can stand up to knocks and drops up to 90cm* and comfortably operate in temperatures ranging from -29°C to +60°C*.

Mobile Solutions Business Division - Europe, Panasonic Connect Europe GmbH, Hagenauer Straße 43, 65203 Wiesbaden, Germany

<https://eu.connect.panasonic.com/gb/en/products/toughbook/toughbook-55-mk3>

Model	FZ-55 mk3 HD and Full-HD Touchscreen, 16GB RAM, 512GB SSD, Battery pack
Operating System	Windows 11 Pro 64-bit
Mobile Computing Platform	Intel® Core™ i5 1345U vPro™ Processor or Intel® Core™ i7 1370P vPro™ Processor
Graphic Chip	Intel® UHD Graphics for 13th Gen Intel® Processors (Built-in CPU), support Intel® Iris® Xe Graphics when equipped with 2 DIMMs
RAM	16GB DDR4 RAM (max. 64GB)
Storage	512GB NVMe OPAL SSD (max. 2TB)
LCD	HD: 14" Active Matrix (TFT) colour LCD 1366 x 768 pixels (HD) Full-HD Touchscreen: 14" Active Matrix (TFT) colour LCD 1920 x 1080 pixels (Full-HD), capacitive 10 finger Touchscreen, up to 1.000cd/m² brightness
Wireless	Mobile Broadband: 4G or 5G with SIM/eSIM support (5G option available for Universal Bay), Global Positioning*: u-blox NEO-M9N (supports GPS, GLONASS, Beidou, Galileo), Wi-Fi: Intel® Wi-Fi 6E AX211, Bluetooth: 5.3 Class 1
Interfaces	USB 3.2: x2, Thunderbolt 4: x1, Micro SDXC Memory Card: x1, HDMI : x1, LAN: IEEE 802.3 10Base-T / IEEE 802.3u 100BASE-TX / IEEE 802.3ab 1000BASE-T (2nd GLAN optional), Dual Path Through Connector*: x1
Left expansion area	TOUGHBOOK Universal Bay**: 2nd SSD, Smart Card Reader, DVD Multi Drive, Blu Ray Drive
Right expansion area	Front Expansion Slot**: 2nd Battery, Fingerprint Reader, HF-RFID Reader (Contactless Smart Card), Smart Card Reader
Rear expansion area **	VGA + True Serial + 4th USB 3.2, VGA + True Serial + 2nd native GLAN, VGA + True Serial + Rugged USB 2.0, 4th USB 3.2 + USB Type c
Front Camera	HD Front camera*: 2 MP with IR / privacy shutter (Windows Hello compliant) Full-HD Touchscreen: 2 MP with IR / privacy shutter (Windows Hello compliant)
Sound	MaxxAudio, Headset: x1, Enhanced Voice Recognition*: 2 Microphones (included in Front Camera)
Dimensions: Main Unit (WxHxD)	345mm x 272mm x 32.8mm (without protruding parts)
Weight: Main Unit	HD: Approx. 2.08 kg Full-HD Touchscreen: Approx. 2.22 kg
Battery Life	Lithium-Ion 10.8V, 6500mAh (typ.), 6300mAh (min.)
Power Supply: AC Adaptor	Input: 100V - 240V AC, 50Hz/ 60Hz, Output: 15.6V DC, 7.05A, DC In: x1
Power Supply: Hot Swap	Standby function, ACPI BIOS, Hot Swap*: With 2nd Battery
Drop resistance ***	91cm
Dust resistance ***	IP5x
Water resistance ***	IPX3
Operating temperature ***	-29°C to +60°C
Included in the box	Power Supply, Power Cord, User Manual + capacitive pen (for Full-HD Touchscreen only)
Integrated options	Port Replicator*: x1
Footnote Description	*: Optional, **: Exclusive Option, pre-configured or accessory, ***: Tested by an independent third party lab following MIL-STD-810H and IEC 60529

TOUGHBOOK 55 Full-HD Touch mk3: 16th November 2023

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.