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14" RUGGED WINDOWS 11 PRO NOTEBOOK WITH FULL-HD TOUCH DISPLAY

TOUGHBOOK 55 mk3 Full-HD Touch Screen

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" Full-HD Active Matrix LCD, capacitive Touch Screen, 1.000cd/m² brightness
- 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

intel vPRO i7 intel vPRO i5

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TOUGHBOOK 55 mk3 Full-HD Touch Screen

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*.

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https://eu.connect.panasonic.com/gb/en/toughbook/toughbook-55-hd-series/toughbook-55-mk3-full-hd-touch-screen

Mobile Computing Platform	Intel® Core™ i5 1345U vPro™ Processor or Intel® Core™ i7 1370P vPro™ Processor
Operating System	Windows 11 Pro
RAM	16GB DDR4 RAM (max. 64GB)
Graphic Chip	Intel® UHD Graphics for 13th Gen Intel® Processors (Built-in CPU), support Intel® Iris® Xe Graphics when equipped with 2 DIMMs
Storage	512GB NVMe OPAL SSD (max. 2TB)
LCD	14" Active Matrix (TFT) colour LCD 1920 x 1080 pixels (Full-HD), capacitive 10 finger Touch Screen, up to 1.000cd/m² brightness
Bluetooth™	5.3 Class 1
Wireless LAN	Intel® Wi-Fi6E AX211
Mobile Broadband*	4G LTE, EM7421, eSIM support
Global Positioning*	u-blox NEO-M9N (supports GPS, GLONASS, Beidou, Galileo)
LAN	IEEE 802.3 10Base-T / IEEE 802.3u 100BASE-TX / IEEE 802.3ab 1000BASE-T (2nd GLAN optional)
Sound	MaxxAudio
Enhanced Voice Recognition*	2 Microphones (included in Front Camera)
Front Camera	2 MP with IR / privacy shutter (Windows Hello compliant)
Micro SDXC Memory Card	x1
USB 3.2	x2
Thunderbolt 4	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, 4th USB 3.2 + USB Type c
AC Adapter	Input: 100V - 240V AC, 50Hz/ 60Hz, Output: 15.6V DC, 7.05A
Battery	Lithium-Ion 10.8V, 6500mAh (typ.), 6300mAh (min.)
Power Management	Standby function, ACPI BIOS
Hot Swap*	With 2nd Battery
Dimensions (WxHxD)	345mm x 272mm x 32.8mm (without protruding parts)
Weight	Approx. 2.22 kg
Drop Resistance***	91cm
Dust Resistance***	IP5x
Water Resistance***	IPx3
Operating Temperature***	-29°C to +60°C
Standard Configuration	FZ-55mk3 (Full-HD with touchscreen), 16GB RAM, 512GB SSD, battery pack
Included in the box	Power Supply, Power Cord, capacitive pen, Display cleaning cloth and User Manual

* 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.

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