



# TOUGHBOOK 40

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

The Panasonic TOUGHBOOK 40 is the ultimate 14" fully rugged notebook designed for Defence and ideal for Police and Utilities. It has a modular design that allows mobile workers to modify the device quickly and easily for different challenges by equipping 7 expansion areas. The powerful new all black model is built for use in the most extreme conditions (IP66, 180cm drop tested and MIL-STD-810H), designed for military-grade quick release self-encrypting secure drives and up to 36-hour battery life to support mission critical operations.

- Intel® Core™ i5-1145G7 vPro™ Processor
- Windows 11 Pro
- 14" Full-HD Touch Active Matrix LCD, 1.200cd/m<sup>2</sup> brightness
- 16GB DDR4 RAM and 512GB NVMe OPAL SSD as standard
- 2x USB 3.2, 1x Thunderbolt 4, 1x HDMI, 1x LAN and micro SDCX
- Left, Right, Rear and Palm Rest Expansion Area
- Long battery life of up to 36 hours (MobileMark 2014)
- 4G or 5G with eSIM support optional
- Dedicated Global Positioning optional
- -29 °C to +63 °C operating temperature
- Fully Rugged magnesium casing with carry handle
- IP66 Ingress Protection\*
- Withstands drops from a height of 180cm\*
- Shock and vibration protected for vehicle docking

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



# Panasonic recommends Windows 11 Pro for business.

This high-performance device is a Windows 11 Secured-core PC, with an Intel® Core™ i5 vPro processor with i7 optional, 16GB RAM with up to 64GB optional, and a quick release 512GB NVMe OPAL SSD as standard with up to 2TB optional. It has all the latest communications capabilities required on operations, including options for eSIM and LTE, as well as 5G. It is designed for use with all the major GPS navigation systems and offers WiFi 6, Bluetooth 5.1 and Thunderbolt 4.



Mobile Computing Platform	Intel® Core™ i5-1145G7 vPro™ processor (1.1GHz up to 4.4GHz) Intel® Core™ i7-1185G7 vPro™ processor (1.2GHz up to 4.8GHz) optional
Operating System	Windows 11 Pro 64-bit Windows 10 Pro 64-bit Downgrade Model optional
RAM	16GB DDR4 RAM (max. 64GB)
Graphic Chip	Intel® UHD Graphics, support Intel® Iris® Xe Graphics when 2 RAM Modules installed
Storage	Quick Release 512GB NVMe OPAL SSD [with heater]
LCD	14" Active Matrix (TFT) colour Touch LCD 1920 x 1080 pixels, up to 1.200cd/m <sup>2</sup> Brightness
Front Camera	5 MP with IR / privacy shutter (Windows Hello compliant) optional
Sound	Waves MaxxAudio® Stereo Speakers
Enhanced Voice Recognition	4 Microphones
LAN	IEEE 802.3 10Base-T / IEEE 802.3u 100BASE-TX / IEEE 802.3ab 1000BASE-T (2nd GLAN optional)
Bluetooth™	5.1 Class 1
Wireless LAN	Intel® Wi-Fi 6 AX201
Mobile Broadband*	4G LTE, EM7690. eSIM support 5G, EM9190. eSIM support in summer 2022
Global Positioning*	u-blox NEO-M8J (supports GPS, GLONASS, Beidou, Galileo)
Interfaces	USB 3.2 Gen 1 Type-A x2 Thunderbolt 4 x1 Micro SDXC Memory Card x1 HDMI x1 Headset x1 DC In x1 Port Replicator x1 Quad Path Through Connector x1
Left Expansion Area**	2nd SSD Smart Card Reader DVD Multi Drive Blu Ray Drive
Right Expansion Area**	2nd Battery Smart Card Reader
Rear Expansion Area**	VGA + True Serial (RS232) + 2nd native GLAN USB 3.1 Type A + True Serial (RS232) + 2nd HDMI USB 3.1 Type A + USB 3.1 Type A + 2nd HDMI
Palm Rest Expansion Area**	Fingerprint reader (Windows Hello) Fingerprint reader (Windows Hello, Multi-user authentication) Contactless Smart Card Reader
Security	TPM 2.0, Password security, Integrated hardware security lock slot
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. 18 hours (Mobile Mark™ 2014) Approx. 36 hours with 2nd battery (Mobile Mark™ 2014) Power Management Standby function, ACPI BIOS Hot Swap* With 2nd Battery
Dimensions (WxHxD)	354mm x 301mm x 54.4mm (without protruding parts)
Weight	Approx. 3.35 kg
Testing Standards***	Drop Resistance 180cm Dust Resistance IP6x Water Resistance IPx6 Operating Temperature -29°C to + 63°C
Standard Configuration	FZ-40mk1, 16GB RAM, 512GB SSD, battery pack
Included in the box	Power Supply, Power Cord, capacitive pen, Display cleaning cloth and User Manual

TOUGHBOOK 40mk1 Spec Sheet: 24.05.2022

\* Optional, \*\* Exclusive option, pre configured or accessory, \*\*\*Test 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.

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



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