



# TOUGHBOOK 40

## 14" FULLY RUGGED WINDOWS PRO NOTEBOOK

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

The Panasonic TOUGHBOOK 40 is the ultimate 14" fully rugged notebook designed for Defence and ideal for Mining and Utilities. It has a modular design that allows mobile workers to modify the device quickly and easily for different challenges by equipping 8 expansion areas. The powerful rugged laptop is built for use in the most extreme conditions and designed for field specialists, incorporating quick release self-encrypting secure drives and providing up to 36-hours of battery life to support mission critical operations.

- Intel® Core™ i5-1145G7 vPro™ Processor
- Windows 10 Pro available through downgrade rights from Windows 11 licence
- 14" Full-HD Touch Active Matrix LCD, 1200cd/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 SDXC
- Left, Right, Rear and Palm Rest Expansion Areas
- Long battery life of up to 36 hours (with optional 2nd battery<sup>2</sup>)
- Optional 4G with eSIM support<sup>2</sup>
- Optional Dedicated Global Positioning<sup>2</sup>
- Fully Rugged magnesium casing with carry handle
- IP66 Water and Dust Resistant
- Up to 180cm Drop Resistance<sup>1</sup>
- MIL-STD-810H Certified<sup>1</sup>
- -29°C to +63°C Operating Temperature<sup>1</sup>
- Shock and vibration protected for vehicle docking

<sup>1</sup> Tested by an independent third party lab following MIL-STD810H Method 516.8 Procedure IV for transit drop test and Method 501.7 and 502.7 Procedure II for operation temperature test. May differ depending on models and options.

<sup>2</sup> Optional

# Everything Proof

The high-performance TOUGHBOOK 40 is a Windows 10 Secured-core PC (available through downgrade rights from Windows 11 Licence), 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 with up to 2TB optional). It has all the latest communications capabilities required on critical operations, including options for eSIM and LTE. It is designed for use with all the major GPS navigation systems and offers WiFi 6, Bluetooth 5.1 and Thunderbolt 4.



<b>Mobile Computing Platform</b>	Intel® Core™ i5-1145G7 vPro™ processor (1.1GHz up to 4.4GHz) Optional Intel® Core™ i7-1185G7 vPro™ processor (1.2GHz up to 4.8GHz) <sup>1</sup>	
<b>Operating System</b>	Windows 10 available through downgrade rights from Windows 11 Pro licence	
<b>RAM</b>	16GB DDR4 RAM (max 64GB)	
<b>Graphic Chip</b>	Intel® UHD Graphics, support Intel® Iris® Xe Graphics when 2 RAM Modules installed	
<b>Storage</b>	Quick Release 512GB NVMe OPAL SSD	
<b>LCD</b>	14" Active Matrix (TFT) colour Touch LCD 1920 x 1080 pixels, up to 1200cd/m <sup>2</sup> Brightness	
<b>Front Camera <sup>1</sup></b>	5 MP with IR / privacy shutter (Windows Hello compliant)	
<b>Sound</b>	Waves MaxxAudio® Stereo Speakers	
<b>Enhanced Voice Recognition</b>	4 Microphones	
<b>LAN</b>	IEEE 802.3 10Base-T / IEEE 802.3u 100BASE-TX / IEEE 802.3ab 1000BASE-T (2nd GLAN optional)	
<b>Bluetooth™</b>	5.1 Class 1	
<b>Wireless LAN</b>	Intel® Wi-Fi 6 AX201	
<b>Mobile Broadband <sup>1</sup></b>	4G LTE, EM7690, eSIM support	
<b>Global Positioning <sup>1</sup></b>	u-blox NEO-M8J (supports GPS, GLONASS, Beidou, Galileo)	
<b>Interfaces</b>	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 Pass Through Connector	x1
<b>Left Expansion Area <sup>2</sup></b>	2nd SSD Insertable Smart Card Reader DVD Multi Drive Blu Ray Drive	
<b>Right Expansion Area <sup>2</sup></b>	2nd Battery Insertable Smart Card Reader	
<b>Rear Expansion Area <sup>2</sup></b>	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®	
<b>Palm Rest Expansion Area <sup>2</sup></b>	Fingerprint reader (Windows Hello) Fingerprint reader (Windows Hello, Multi-user authentication) Contactless Smart Card Reader	
<b>Security</b>	TPM 2.0, Password security, Integrated hardware security lock slot	
<b>Power</b>	AC Adapter	Input: 100V - 240V AC, 50Hz/ 60Hz, Output: 15.6V DC, 7.05A
	Battery	Lithium-Ion 10.8V, 6,500mAh (typ), 6,300mAh (min)
	Battery Life	Approx 18 hours (Mobile Mark™ 2014) <sup>3</sup> Approx 36 hours with 2nd battery (Mobile Mark™ 2014) <sup>3</sup>
	Power Management	Standby function, ACPI BIOS
	Hot Swap <sup>1</sup>	With 2nd Battery
<b>Dimensions (WxHxD)</b>	354mm x 301mm x 54.4mm (without protruding parts)	
<b>Weight</b>	Approx 3.35 kg	
<b>Testing Standards <sup>4</sup></b>	Drop Resistance	Up to 180cm <sup>4</sup>
	Dust Resistance	IP6x
	Water Resistance	IPx6
	Military Spec	MIL-STD-810H <sup>4</sup>
	Operating Temperature	-29°C to + 63°C <sup>4</sup>
<b>Standard Configuration</b>	TOUGHBOOK 40mk1, 16GB RAM, 512GB SSD, battery pack	
<b>Included in the box</b>	Power Supply, Power Cord, capacitive pen, display cleaning cloth and user manual	

<sup>1</sup> Optional

<sup>2</sup> Exclusive option, pre-configured or accessory

<sup>3</sup> Battery life measurement conditions: Wireless LAN connection enabled, continuous access to the server while browsing, swipe every 1 second, page change every 20 seconds.

<sup>4</sup> Tested by an independent third party lab following MIL-STD810H Method 516.8 Procedure IV for transit drop test and Method 501.7 and 502.7 Procedure II for operation temperature test. May differ depending on models and options.

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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 Holdings Company. 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.

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