

Panasonic Toughbook 40(FZ-40FZ00DBE)

Panasonic Toughbook 40 - Rugged - Intel Core Ultra 5 - 135H / up to 4.6 GHz - Win 11 Pro - Intel Arc Graphics - 16 GB RAM - 512 GB SSD TCG Opal Encryption, NVMe - 14" IPS touchscreen 1920 x 1080 (Full HD) - Gigabit Ethernet - Bluetooth, Wi-Fi 7 - 4G - kbd: UK



This fully-rugged Panasonic Toughbook 40 laptop offers unrivaled flexibility in demanding and unpredictable environments with its class leading eight modular areas. Its state-of-the-art design optimizes thermals for maximum performance and its advanced technology will ensure the Toughbook 40 will withstand the test of time. The 4G modem provides up to 2 Gbps and the ability to seamless connect to the best available network without any disruption or loss of connectivity.

Key Selling Points

- Innovative modular design and user-removable expansion packs offer unparalleled customization
- State-of-the-art design optimizes thermals for effortless performance
- Advanced speakers, 5 MP infrared webcam with privacy cover and tetra-array microphones
- Fully rugged all-weather MIL-STD-810H and IP66 design built with magnesium alloy

Product Features

- 8 modular areas**
The toughbook 40 features eight user-replaceable locations including the battery, memory, storage, keyboard and four expansion areas. The expansion area features several different types of xPAK's including a barcode reader, optical drives, authentication readers, additional I/O, batteries and storage. This unparalleled customization enables organizations to help futureproof, simplify ordering, shorten lead times and decrease downtime.
- Infrared webcam**
With the increased use of video conferencing - whether for telehealth or remote services - the Toughbook 40 boasts the 5 MP webcam. It features a privacy cover for security and infrared capability to support Windows Hello facial recognition.
- Tetra-array microphones**
Featuring four microphones that offer class leading speech recognition and up to 3x the accuracy in noisy environments. Additionally, users can select the optimal AI noise cancellation that best suits their needs.

Main Specifications

Product Description	Panasonic Toughbook 40 - 14" - Intel Core Ultra 5 - 135H - 16 GB RAM - 512 GB SSD - 4G - UK
Product Type	Notebook - rugged
Operating System	Win 11 Pro
Processor	Intel Core Ultra 5 (Series 1) - 135H / 1.7 GHz, up to 4.6 GHz / 18 MB Cache
Neural Processor Unit (NPU)	Intel AI Boost
Memory	16 GB DDR5
Storage	512 GB SSD - TCG Opal Encryption, NVMe
Display	14" touchscreen 1920 x 1080 / Full HD
Graphics	Intel Arc Graphics
Input Device	Stylus, 82 keys keyboard
Keyboard	UK
Keyboard Backlight	Yes (emissive)
Integrated Webcam	Yes
Networking	Bluetooth 5.3, 802.11a/b/g/n/ac/ax/be, Gigabit Ethernet
Wireless Broadband (WWAN)	4G

Service Provider	Not specified
Battery	Up to 12 hours
Features	SSD heater
Security	Trusted Platform Module (TPM 2.0) Security Chip
Dimensions (WxDxH)	35.4 cm x 30.1 cm x 5.44 cm
Weight	3.35 kg
Manufacturer Warranty	Limited warranty - parts and labour - 3 years

Extended Specification

General

Product Type	Notebook - rugged
Operating System	Windows 11 Pro

Memory

RAM	16 GB
Max RAM Supported	64 GB
Technology	DDR5 SDRAM
Slots Qty	2

Manufacturer Warranty

Service & Support	Limited warranty - parts and labour - 3 years
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Storage

Main Storage	512 GB SSD - TCG Opal Encryption, NVMe Express (NVMe)
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Miscellaneous

Case Material	Magnesium alloy
Integrated Options	SSD heater
Security	Trusted Platform Module (TPM 2.0) Security Chip
Features	Dust-resistant, shock-resistant, salt resistant, reinforced locking port covers, drop-resistant, integrated stylus holder, NIST BIOS, BIOS Absolute Persistence, cold-resistant, handle, solar radiation resistant, sand-resistant, rainproof, vibration-resistant, quick release SSD, high/low temperature resistant, replaceable screen protector, Intel Hardware Shield, TOUGHBOOK smart battery technology, secure wipe
Theft/Intrusion Protection	Security lock slot (cable lock sold separately)
Security Slot Type	Kensington security slot
Included Accessories	Stylus, cleaning cloth, power adapter, stylus holder
Compliant Standards	IP66, OPAL, MIL-STD-461G, MIL-STD-810H

Software

Software Included	Drivers & Utilities, Panasonic Recovery Partition, Waves MaxxAudio, COM Splitter Software
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Display

Type	14" - IPS
Touchscreen	Yes (multi-touch)
Resolution	1920 x 1080 (Full HD)
Widescreen	Yes
Image Aspect Ratio	16:9
Image Brightness	1200 cd/m²

Features	Anti-reflective, Direct Bonding technology, glove touch mode, capacitive touch screen, day/night mode
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Battery

Technology	Lithium Ion
Max Supported Qty	2
Capacity	6300 mAh
Run Time	Up to 12 hours

Communications

Wireless	Bluetooth 5.3, 802.11a/b/g/n/ac/ax/be
Bluetooth Class	Class 1
Wireless Controller	Intel WI-FI 7 BE200
Network Interface	Gigabit Ethernet

Dimensions & Weight

Dimensions (WxDxH)	35.4 cm x 30.1 cm x 5.44 cm
Weight	3.35 kg

Processor / Chipset

CPU	Intel Core Ultra 5 (Series 1) 135H / 1.7 GHz
Max Turbo Speed	4.6 GHz
Number of Cores	14-core
Cache	L3 - 18 MB
Features	Hyper-Threading Technology, Intel Turbo Boost Technology, Intel vPro Technology, Intel Smart Cache, Intel Speed Shift Technology, Intel Active Management Technology, Intel Adaptix Technology

Audio & Video

Graphics Processor	Intel Arc Graphics
Max Monitors Supported	4 external monitor(s)
Camera	Yes
Resolution	5 Megapixel
Camera Features	Privacy shutter, IR camera, Windows Hello
Sound	Speakers, 4-microphone array
Compliant Standards	High Definition Audio
Audio Features	Input: AI noise reduction

Input

Type	Touchpad, stylus, 82 keys keyboard
Keyboard Backlight	Yes (emissive)
Keyboard Layout	UK
Features	Volume control, multi-touch touchpad, 8 programmable buttons, integrated stylus holder

AC Adapter

Input	AC 100-240 V (50/60 Hz)
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Connections & Expansion

Slots	Nano-SIM card
Interfaces Details	USB 3.2 Gen 2 USB-C (supports Thunderbolt 4) (Power Delivery) HDMI LAN (RJ-45) Headphone/microphone combo jack (mini-phone 3.5 mm)
Memory Card Reader	Yes (microSD, microSDHC, microSDXC, microSDXC UHS)

Wireless Broadband (WWAN)

Generation	4G
Technology	4G LTE
Controller	Sierra Wireless EM7690
Service Provider	Not specified

Neural Processor Unit (NPU)

Neural Processor Unit (NPU)	Intel AI Boost
Sparsity Support	Yes
AI Software Frameworks Supported by NPU	DirectML, OpenVINO, WindowsML, ONNX RT
Windows Studio Effects Support	Yes

What's in the box

Panasonic Toughbook 40
Stylus, cleaning cloth, power adapter, stylus holder

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