Panasonic Toughbook G2 - AI Ready - 10.1" - Intel Core Ultra 5 - 135U - 16 GB RAM - 512 GB SSD - 5G(FZ-G2NZ04EBE)

Panasonic Toughbook G2 - Rugged - tablet - Intel Core Ultra 5 - 135U / up to 4.4 GHz - Win 11 Pro - Intel Graphics - 16 GB RAM - 512 GB SSD NVMe, TCG Opal Encryption 2 - 10.1" touchscreen 1920 x 1200 - Gigabit Ethernet - Wi-Fi 6E, Bluetooth - 5G

The 10.1" Panasonic TOUGHBOOK G2, is a groundbreaking modular fully-rugged tablet 2-in-1 that delivers the ultimate computing experience. The TOUGHBOOK G2 is the evolution of two top-selling TOUGHBOOK products; it features a 2-in-1 design and keeps backward compatibility to most docks making it possible for customers to upgrade technology while reusing existing mounting hardware. Secure-core PC-compliant - simplified security out-of-the box.

Key Selling Points

Innovative modular design with three expansion areas including a quick-release SSD
Backward compatible with most TOUGHBOOK G1 and 20 docks
Infrared webcam and Windows Hello enable biometric user authentication
Lasting battery life for continuous use

Product Features

Durable construction
Designed with rugged materials, the Panasonic Toughbook G2 can handle exposure to dust and water, meeting IP65 and IP55 ratings for effective protection in challenging environments.

High performance
Powered by a 12-core Intel Core Ultra 5 processor and 16 GB of RAM, this tablet offers fast processing speeds and efficient multitasking capabilities.

Brilliant display
Featuring a 10.1-inch touchscreen with a 1920 x 1200 resolution, the display offers high clarity, is sunlight readable, and is equipped with glove touch mode for easy operation in various conditions.

Secure functionality
Incorporating a Trusted Platform Module (TPM 2.0) security chip, the Toughbook G2 ensures data protection, making it suitable for both fieldwork and corporate environments.

Versatile connectivity
Offers multiple connectivity options, including USB 3.2, USB-C/Thunderbolt 4, and compatibility with various wireless protocols to keep users connected in diverse scenarios.

Main Specifications

Product Description	Panasonic Toughbook G2 - AI Ready - 10.1" - Intel Core Ultra 5 - 135U - 16 GB RAM - 512 GB SSD - 5G
Product Type	Tablet - AI Ready - no keyboard - rugged
Operating System	Win 11 Pro
Processor	Intel Core Ultra 5 (Series 1) - 135U / 1.6 GHz, up to 4.4 GHz / 12 MB Cache
Neural Processor Unit (NPU)	Intel AI Boost
Memory	16 GB LPDDR5X (provided memory is soldered)
Storage	512 GB SSD - NVMe, TCG Opal Encryption 2
Display	10.1" touchscreen 1920 x 1200 / WUXGA
Graphics	Intel Graphics

Input Device	Digitizer
Integrated Webcam	Yes
Networking	802.11a/b/g/n/ac/ax (Wi-Fi 6E), Bluetooth 5.3, Gigabit Ethernet
Wireless Broadband (WWAN)	5G
Service Provider	Service not included
Battery	Up to 11 hours
Features	SSD heater, accelerometer, digital compass, gyro sensor, ambient light sensor
Dockable	Yes
Security	Trusted Platform Module (TPM 2.0) Security Chip
Dimensions (WxDxH)	27.9 cm x 18.8 cm x 2.35 cm
Weight	1.19 kg
Manufacturer Warranty	Limited warranty - parts and labour - 3 years

Extended Specification

General

Product Type	Tablet - AI Ready - no keyboard - rugged
Operating System	Windows 11 Pro

Memory

RAM	16 GB (provided memory is soldered)
Technology	LPDDR5X SDRAM

Manufacturer Warranty

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

Storage

Main Storage	512 GB SSD - NVM Express (NVMe), TCG Opal Encryption 2

Miscellaneous

Integrated Options	SSD heater, accelerometer, digital compass, gyro sensor, ambient light sensor
Dockable	Yes
Security	Trusted Platform Module (TPM 2.0) Security Chip
Features	Hot-swappable battery, drop-resistant, dust-resistant, water-resistant, raised bezel, Intel Active Management Technology (iAMT), quick release SSD
Theft/Intrusion Protection	Security lock slot (cable lock sold separately)
Security Slot Type	Kensington security slot
Included Accessories	Power adapter, cleaning cloth
Compliant Standards	IP65, IP55, MIL-STD-810H, ACPI

Environmental Parameters

Min Operating Temperature	-10 °C
Max Operating Temperature	50 °C
Humidity Range Operating	30 - 80% RH (non-condensing)

Software

Software Included	Panasonic Recovery Partition, Drivers & Utilities

Display

Type	10.1"
Touchscreen	Yes (10-point multi-touch)

Resolution	1920 x 1200 (WUXGA)
Widescreen	Yes
Image Aspect Ratio	16:10
Image Brightness	1000 cd/m²
Features	Glove touch mode, sunlight readable, capacitive touch screen, anti-reflective

Battery

Technology	Lithium Ion
Capacity	4360 mAh
Run Time	Up to 11 hours

Communications

Wireless	802.11a/b/g/n/ac/ax (Wi-Fi 6E), Bluetooth 5.3
Bluetooth Class	Class 1
Wireless Controller	Intel Wi-Fi 6E AX 211
Network Interface	Gigabit Ethernet
Features	Dual pass-through antenna

Dimensions & Weight

Dimensions (WxDxH)	27.9 cm x 18.8 cm x 2.35 cm
Weight	1.19 kg

Navigation

Receiver	GPS/GLONASS/Galileo/BeiDou/QZSS/SBAS

Processor / Chipset

CPU	Intel Core Ultra 5 (Series 1) 135U / 1.6 GHz
Max Turbo Speed	4.4 GHz
Number of Cores	12-core
Performance Cores	2
Efficient Cores	10
Cache	L3 - 12 MB
Features	Intel Turbo Boost Technology, Intel vPro Technology, Intel Active Management Technology

Audio & Video

Graphics Processor	Intel Graphics
Max Monitors Supported	4 external monitor(s)
Camera	Yes - 1080p (front)
Resolution	13 Megapixel (rear), 2 Megapixel (front)
Camera Features	IR sensor, Windows Hello, privacy cover, LED flash, autofocus
Sound	Stereo speakers, dual array microphone
Compliant Standards	High Definition Audio, Waves MaxxAudio
Audio Features	Input: AI noise reduction

Input

Type	Digitizer
Features	Integrated stylus holder

AC Adapter

Input	AC 100-240 V (50/60 Hz)
Output	15.6 V, 7.05 A

Connections & Expansion

Slots	1 x Nano-SIM card
Interfaces Details	Dock ¦ USB-C (supports Thunderbolt 4) (DisplayPort Alt Mode / Power Delivery) ¦ USB 3.2 Gen 1 (Type A) ¦ LAN (RJ-45)

Wireless Broadband (WWAN)

Generation	5G
Technology	5G Sub-6 Ghz
Controller	Sierra Wireless EM9190
Service Provider	Service not included

Neural Processor Unit (NPU)

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

What's in the box

Panasonic Toughbook G2
Cleaning cloth, power adapter