Panasonic CONNECT

TOUGHBOOK



TOUGHBOOK G3

- AI-enabled Intel® Core™ Ultra 5 Processor 335 or optional Ultra X7 processor, featuring integrated NPU acceleration and supporting Copilot+ PC capabilities
- Innovative modular design with 4 user-replaceable areas.
- Up to 23 hours of battery life
- Optional bridge battery enables hot-swap battery replacement for continuous use
- Optional 5G modem supports Sub6, and speeds up to 3.5Gbps

10" AI-Powered Fully Rugged Tablet With Copilot+ PC Capabilities

This 10.1" fully rugged 2-in-1 tablet runs on Intel's 3rd-generation AI-enabled processor and Intel® Arc™ Graphics (on Ultra X7 only). It features a modular design, 13MP rear camera, dual-array microphones with AI noise reduction, 3 battery options with hot swap capability, and backwards compatibility with many vehicle docks and other accessories. It has a wide variety of interface ports including USB-C Thunderbolt™ 4, Ethernet, Mini Serial, Micro SDXC, and more. Models with an optional 5G modem will support Private Cellular (CBRS B48, B106, n48) including Anterix solutions.



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Software

- Windows® 11 Pro, Red Hat Enterprise Linux 10.2
- Panasonic Utilities and Recovery Partition
- Waves MaxxAudio®
- COM Splitter Software
- Enterprise ready driver packages including CAB files and one-click driver bundles

Certifications & Durability

- MIL-STD-810H: 6' drop, shock, bench handling, vibration, rain, dust, sand, altitude, freeze/thaw, high/low temperature, temperature shock, solar radiation, contamination by fluids, humidity, salt fog, explosive atmosphere[1]
- MIL-STD-461G
- IP66[1]
- Optional C1D2 (class 1 div 2) groups ABCD
- TAA-compliant[10]
- Magnesium alloy chassis encased with ABS and elastomer edges
- Handle/kickstand (on optional keyboard)
- User-removable xPAK's, battery and caged SSD (w/heater)
- Reinforced locking port covers
- Raised corner guards for LCD impact protection
- Replaceable screen protector

CPU

- Intel® Core™ Ultra 5 vPro® 335 w/ AI Boost
  - Up to 4.6Ghz, 12MB cache, 8 cores
- Intel(R) Core(TM) Ultra X7 vPro(R) 368H w/ AI Boost
  - Up to 5.0 GHz, 18 MB cache, 16 cores

Storage & Memory

- Factory installed 16GB, 32GB or 64GB RAM[2] (LPDDR5x 8533MHz)
- 512GB or 1TB or 2TB quick-release NVME with heater; OPAL encrypted[2]

Display & Graphics

- 10" WUXGA 1920 x 1200 capacitive gloved touch + digitizer (2-1000 nit)
- IPS with direct bonding
- Anti-reflective (AR) screen treatment
- Supports up to 4 displays (including PC display)
- Graphics
  - Intel Graphics (Ultra 5 models)
  - Opt. Intel(R) Arc(TM) B390 GPU (Ultra X7 models)
  - Opt. Intel(R) Arc(TM) Pro B390 GPU (Ultra X7 models)
- Concealed Mode; Night Mode

Audio

- Integrated dual-array mic w/AI noise reduction[8]
- Waves MaxxAudio®
- Integrated 88dB speakers (front-facing)
- On-screen and button volume and mute controls
- Optional 3.5 mm, Stereo Headphone, CTIA standard

Cameras

- 5.2MP infrared with Windows Hello support; includes privacy cover & camera on LED[8]
- 13MP rear camera with autofocus with triple LED flash[8]

Keyboard & Input

- IP55 2 button digitizer pen (right click & erase), stylus holder and tether
- 5 modes (rain, glove, touch, pen, pen/touch)
- 7 programmable buttons (P1 - P5, +, -)
- On-screen QWERTY keyboard
- Optional 81-key keyboards w/Copilot Key
  - Backlit (color-selectable) with 4 adjustable levels
  - Gen1 resistive touchpad with scrolling

Interface & Expansion

- On the tablet:
  - USB-C Thunderbolt™ 4x2 (40Gbps, 3A, PD, DP)
  - USB-A (5Gbps 0.9A)
  - Optional 2nd USB-A (0.5Gbps 0.5A)[3]
  - Ethernet RJ-34 (1GBPS)
  - Optional Serial (True) Dongle D-sub 9-pin[3]
  - Optional MicroSDXC UHS-I[3]
  - Dual SIM (Nano-SIM 4FF x1, eSIM x1)
- On the optional keyboard:
  - Docking Connector 24-pin
  - USB-C (5Gbps)
  - USB-A (5Gbps)

Wireless

- Optional 5G EM9291 (up to 3.5 Gbps)
  - 4G (LTE, LTE-A), 5G (Sub6)
  - Multi carrier (FirstNet)[10]
  - Satellite GPS & CBRS B48, B106, n48 Capable[4]
- Optional dedicated GPS (u-blox NEO M9N)
- Opt. dual antenna pass-through (BIOS selectable)
- Intel® Wi-Fi 7 BE211 (up to 5.8 Gbps)
- Bluetooth® v5.4 (Class 1)
- COM Splitter Software

Power

- Lite: 8 hours,11.61V, 2980mAh
- Standard: 16 hours, 11.61V, 6029mAh
- Long Lite: 23 hours, 11.55V, 8571mAh
- Optional bridge battery: 1 minute hot swap time
- Battery charging time: 2.5 hours
- TOUGHBOOK Smart Battery Technology
- AC Adapter: AC 100V-240V 50/60Hz, Auto Sensing/Switching worldwide power supply

Security Features

- Intel® Hardware Shield
- Secured-core PC
- TPM v.2.0
- NIST BIOS compliant
- Persistence® technology by Absolute in BIOS[5]
- Local Platform Erase
- Kensington cable lock slots x2 (on tablet and optional keyboard)
- Optional Fingerprint Reader[6]
  - Active Directory (385 DPI)
- Optional insertable Smart Card CAC reader[6]
- Optional contactless Smart Card CAC reader - 13.56MHz (ISO 14443 A/B, 18092, 15693)[6]
- Optional TOUGHBOOKGuard

Dimensions & Weight

- 11.0" x 7.4" x 1.1" (11.3"x9.3"x2.1" w/opt. keyboard)
- 2.7lbs (4.7lbs with optional keyboard)

Warranty

- 3-year limited warranty, parts and labor

Integrated Options

- 5G EM9291
- Dedicated GPS (u-blox NEO M9N)
- Dual antenna pass-through (BIOS selectable)
- Keyboard
  - Backlit Emissive.....FZ-VEKG21ALM
  - Backlit Rubber.....FZ-VEKG21ARM
- SSD
  - 512GB OPAL SSD.....FZ-VSD3G0T1M
  - 1TB OPAL SSD.....FZ-VSD3G1T1M
  - 2TB OPAL SSD.....FZ-VSD3G2T1M
- Top Expansion Area xPAK's
  - Barcode Reader.....FZ-VBRG31M
  - 2nd USB-A.....FZ-VUBG31U
  - Headset Jack.....FZ-VAJG31U
  - 2nd LAN.....FZ-VLNG31U
  - True Serial Dongle.....FZ-VSRG31U
  - MicroSDXC.....FZ-VSMG31U
- Rear Expansion Area xPAK's
  - Insertable Smart Card.....FZ-VSC3G1U
  - Contactless Smart Card.....FZ-VNF3G1M
  - Fingerprint (Active Dir).....FZ-VFP3G1M

Please consult your reseller or Panasonic representative to learn more about the TOUGHBOOK 34 and the wide variety of accessories and services offered.

1 Base model tested by national independent third party lab following MIL-STD-810H Method 516.8 Procedure IV for transit drop test and IEC 60529 Sections 13.4, 13.6.2, 14.2.5 and 14.3 for IP.

2 1GB = 1,000,000,000 bytes. Total usable memory will be less depending upon actual system configuration.

3 Barcode Reader, 2nd USB-A, 2nd LAN, MicroSDXC, Serial (True) Dongle xPAK's are mutually exclusive.

4 The module firmware and the device antenna system have obtained technical approval by commercial carriers in the US. It is customer's responsibility to assure that the module firmware and the device antenna system are compatible with the customer's Private LTE network using Band 48.

5 Requires software and activation to enable theft protection.

6 Insertable Smart Card CAC Reader, Contactless Smart Card CAC Reader and Finderprint reader are mutually exclusive

7 Battery performance features such as charge time and life span can vary according to the conditions under which the computer and battery are used. Battery operation and recharge times will vary based on many factors, including screen brightness, applications, features, power management, battery conditioning and other customer preferences. Battery testing results from MobileMark 30.

8 Rear camera is not certified with Red Hat Enterprise Linux

9 TAA-compliant products are available upon request.

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