



TOUGHBOOK G2 LITE

- Featuring an Intel processor with dedicated NPU to optimize AI performance
- Innovative modular design with two expansion areas and an onboard SSD
- Backward compatible with most TOUGHBOOK G1 and 20 docks¹
- Optional bridge battery enables hot-swap battery replacement for continuous use
- Choice of 4G modem or 5G modem which adds Sub6 and C-Band

10" TABLET WITH A LIGHTWEIGHT BATTERY AND SLIM DESIGN

Panasonic pioneered the 10 inch rugged tablet market. With the Panasonic TOUGHBOOK G2, we offer a modular and powerful product that has two expansion areas offering many flexible combinations to deliver the ultimate computing experience. The TOUGHBOOK G2 features a 2-in-1 design and keeps backward compatibility to most CF-20 and FZ-G1 docks¹ making it possible for customers to upgrade technology while reusing existing docks and mounting hardware. It offers the choice of two cellular modems – a 4G modem or 5G modem which adds support of 5G Sub6 and C-band with speeds up to 4.1Gbps. With a keyboard option and up to a 10.5 hour battery life, it is aimed at professionals who need a slimmer, yet rugged and versatile device they can rely on in a wide range of challenging work environments.

MIL-STD-810H

MIL-STD-461G

IP65

C1D2
HAZ LOC

6-FOOT
DROP RATING

TOUGHBOOK G2 LITE

SOFTWARE

- Windows® 11 Pro, Red Hat Enterprise Linux 9.4 & 10¹⁰
- 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 atmosphere²
- MIL-STD-461G
- IP65²
- Optional C1D2 (class 1 div 2) groups ABCD
- TAA-compliant¹¹
- Magnesium alloy chassis encased with ABS and elastomer edges
- Handle/kickstand (on optional keyboard)
- User-removable xPAK's and battery
- Shock-mounted SSD (onboard)
- Reinforced locking port covers
- Raised corner guards for LCD impact protection
- Replaceable screen protector

CPU

- Intel® Core™ Ultra 5 vPro® processor 135U (12-core)
– Up to 4.4Ghz, 12MB cache, 1.4Ghz AI Boost NPU

STORAGE & MEMORY

- Factory installed 16GB or 32GB RAM³ (LPDDR5x 7467MHz)
- 512GB or 1TB or 2TB onboard OPAL NVMe SSD with heater⁵

DISPLAY

- 10.1" WUXGA 1920 x 1200
– Capacitive gloved multi touch + digitizer
– 2-1000 NIT
- Direct bonding
- Anti-reflective (AR) screen treatment
- Graphics
– Intel Graphics
- Supports up to 4 monitors
- Concealed Mode; Night Mode

AUDIO

- Integrated dual-array mic w/AI noise reduction¹⁰
- Waves MaxxAudio®
- Integrated 88db speakers (front-facing)
- On-screen and button volume and mute controls

CAMERAS

- 2MP (1080p) webcam w/privacy cover & dual array mic¹⁰
– Infrared with Windows Hello support
- 13MP rear camera with autofocus with triple LED flash¹⁰
- Optional thermal camera (FLIR Lepton 3.5)⁴

KEYBOARD & INPUT

- IP55 2 button digitizer pen (right click & erase), stylus holder and tether
- 5 modes (rain, glove, touch, pen, pen/touch)
- 8 tablet buttons (6 user-definable including A1/A2/A3 buttons)
- On-screen QWERTY keyboard
- Optional 81-key emissive and rubber keyboard
– Backlit (color-selectable) with 4 adjustable levels
– Gen1 resistive touchpad with scrolling

INTERFACE

- On the tablet:
– USB-C Thunderbolt™ 4, 40 Gbps 3A (PD, DP)
- USB-A 5Gbps 0.9A
- Optional 2nd USB-A 0.5Gbps 0.5A⁴
- Ethernet 1Gbps RJ-45
- Optional Serial (True) Dongle D-sub 9-pin¹
- Optional MicroSDXC UHS-I⁴
- Dual SIM (Nano-SIM 4FF x1, eSIM x1)

- On the optional keyboard:
– Docking Connector 24-pin
- USB-C 5Gbps
- USB-A 5Gbps

WIRELESS

- Optional 4G EM7595 (up to 0.5Gbps)
– 4G (LTE, LTE-A)
- Multi carrier (AT & T, FirstNet, Verizon)
- Satellite GPS & CBRS Band 48 Capable⁵
- Optional 5G EM9190 (up to 4.1 Gbps)⁶
– 4G (LTE, LTE-A), 5G (Sub6, C-Band)
- Multi carrier (AT & T, FirstNet, T-Mobile, Verizon)¹²
- Satellite GPS & CBRS Band 48 Capable⁵
- Optional dedicated GPS (u-blox NEO-M9J)⁶
- Dual antenna pass-through
- Intel® Wi-Fi 6E AX211 (up to 2.4 Gbps)
- Bluetooth® v5.3(Class 1)

POWER

- Li-Ion Lite battery:
– 10.5 hours⁹
- 11.4V, 4540mAh typical
- 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 v2.0
- NIST BIOS compliant
- Persistence® technology by Absolute in BIOS⁷
- Local Platform Erase
- Kensington cable lock slots x2 (on tablet and optional keyboard)
- Optional Fingerprint Reader with Active Directory®
- Optional insertable Smart Card CAC reader⁸
- Optional contactless Smart Card CAC reader
– 13.56MHz (ISO 14443 A/B, 18092)⁸

DIMENSIONS & WEIGHT

- 11.0" x 7.4" x 1.0-1.1" (11.3" x 9.3" x 2.0-2.1" w/opt. keyboard)^{4,8}
- 2.6 lbs. (4.6 lbs. with optional keyboard)

WARRANTY

- 3-year limited warranty, parts and labor

INTEGRATED OPTIONS

- 5G EM9190⁶ or 4G EM7595 modem
- Dedicated GPS (u-blox NEO-M9J)⁶
- Optional hard handle
- Optional emissive (FZ-VEKG21LM) or rubber (FZ-VEKG21RM) keyboards
- Top Expansion Area xPAK's⁴
– Barcode Reader.....FZ-VBRG231M
- 2nd USB-A.....FZ-VUBG211U
- 2nd LAN.....FZ-VLNG211U
- True Serial Dongle.....FZ-VSRG211U
- Thermal Camera.....FZ-VTG211PU
- MicroSDXC.....FZ-VSMG221U
- Rear Expansion Area xPAK's⁸
– Insertable Smart Card.....FZ-VSCG211U
- Contactless Smart Card.....FZ-VRFG211M
- Fingerprint (Active Dir).....FZ-VFPG222M

Please consult your reseller or Panasonic representative to learn more about the TOUGHBOOK G2 and the wide variety of accessories and services offered.

connect.na.panasonic.com/TOUGHBOOKG2 | 1-888-245-6344

TOUGHBOOK G2 Mk3

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- 1 Not compatible with vehicle docks 7160-0595-00-P, 7160-0595-02-P, G1-A2-TVD2-S, G1-A2-TVC-S, G1-A2-TVD0-S.
- 2 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.
- 3 1GB = 1,000,000,000 bytes. Total usable memory will be less depending upon actual system configuration.
- 4 Barcode Reader, Thermal Camera, 2nd USB-A, 2nd LAN, MicroSDXC, Serial (True) Dongle xPAK's are mutually exclusive and add 0.1" of thickness.
- 5 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.
- 6 Optional dedicated GPS is not compatible with 5G model.
- 7 Requires software and activation to enable theft protection.
- 8 Insertable Smart Card CAC Reader, Contactless Smart Card CAC Reader and Fingerprint reader are mutually exclusive and add 0.1" of thickness.
- 9 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 25 at 250 nit and connected to Wi-Fi and using the Office Productivity and Creativity scenarios.
- 10 Part/SKU numbers with Red Hat Enterprise Linux have the camera and mic physically removed.
- 11 TAA-compliant products are available upon request.
- 12 T-Mobile requires firmware update.