Panasonic CONNECT

TOUGHBOOK



TOUGHBOOK G2

- Powerful CPU Option: AI (NPU) enabled Intel Core™ Ultra5 processor 135U
- Innovative modular design with two expansion areas and a quick-release SSD
- Backward compatible with most TOUGHBOOK G1 and 20 docks[1]
- Infrared webcam and Windows Hello enables biometric user authentication
- Quick-release SSD storage with 512GB or 1TB or 2TB OPAL SSD
- Standard bridge battery enables hot-swap battery replacement for continuous use
- Optional 5G with Sub6, C-Band and 4G

10" TABLET EASILY CONVERTS TO A LAPTOP WITH OPTIONAL KEYBOARD

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 and quick release SSDs offering 84 different 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 docks[1] making it possible for customers to upgrade technology while reusing existing docks and mounting hardware. Network capabilities are also enhanced with cellular options of 4G or 5G that has support for Sub6, and C-Band. With a keyboard option and up to a 15 hour battery life, it is aimed at professionals who need a rugged, yet 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

SPEC SHEET

Panasonic CONNECT

TOUGHBOOK

TOUGHBOOK G2

SOFTWARE

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

CERTIFICATIONS & DURABILITY

- MIL-STD-810H[2]
- MIL-STD-461G
- IP65
- Optional ANSI hazardous location C1D2 (class 1 div 2) groups ABCD
- Magnesium alloy chassis encased with ABS and elastomer edges
- Built-in dual purpose handle & kickstand (on optional keyboard)
- Solid state drive heater
- Quick-release storage drive
- Removable battery
- Optional rotating hand strap
- Reinforced locking port covers
- Raised corner guards for LCD impact protection
- Replaceable screen protector

CPU

- Intel® Core™ Ultra5 processor 135U (with Intel vPro® Technology)
  - 12 Cores, with Max Turbo Frequency 4.4 GHz, 12MB cache. Intel® AI Boost NPU (AI Parallel Processor)

STORAGE & MEMORY

- Factory installed 16GB or 32GB RAM[3] (DDR5)
- 512GB or 1TB or 2TB Quick-release OPAL NVMe SSD with heater[3]

DISPLAY

- 10.1" WUXGA 1920 ×1200
  - Capacitive gloved multi touch + digitizer
- Direct bonding
- 2-1000 NIT
- Anti-reflective (AR) screen treatment
- Intel Graphics
- Supports up to 5 monitors
- Concealed Mode; Day/Night Mode

AUDIO

- Integrated dual array microphone with AI noise reduction
- Waves MaxxAudio®
- Integrated 88dB speakers (front-facing)
- On-screen and button volume and mute controls

CAMERAS

- 1080p webcam w/privacy cover & dual array mic
  - Infrared with Windows Hello support
- 13MP, 8MP rear camera with auto focus with LED illumination
- Optional thermal camera (FLIR Lepton 3.5)[4]

KEYBOARD & INPUT

- IP55 2 button digitizer pen (right click & erase), stylus holder, tether and cleaning cloth
- Supports glove mode and rain mode
- 8 tablet buttons (6 user-definable including A1/A2/A3 buttons)
- On-screen QWERTY keyboard
- Optional emissive English keyboard (mechanical or rubber membrane):
  - Backlit (color-selectable) with 4 adjustable levels
  - 81-key with dedicated Windows® key
  - Gen1 resistive touchpad with scrolling

INTERFACE

- On the tablet:
  - USB-C Thunderbolt™ 4, 40 Gbps 3A (PD,DP)
  - USB-A 5Gbps
  - Optional 2nd USB-A 0.5Gbps[4]
  - 1Gbps Ethernet RJ-45
  - Optional True Serial Dongle D-sub 9-pin[4]
  - Dual SIM (Nano-SIM 4FF x1, eSIM x1)
  - Optional MicroSD Slot[4]
  - Optional Fingerprint Reader with Active Directory[8]
- On the optional keyboard:
  - Docking Connector 24-pin
  - USB-C 5Gbps
  - USB-A 5Gbps

WARRANTY

- 3-year limited warranty, parts and labor

WIRELESS

- Optional 4G EM7595(up to 600Mbps)
  - 4G (LTE, LTE-A)
  - Multi carrier (FirstNet, Verizon)
  - Satellite GPS & CBRS Band 48 Capable[5]
- Optional 5G EM9190 (up to 4.1 Gbps)[1]
  - 4G (LTE, LTE-A), 5G (Sub6, C-Band)
  - Multi carrier (FirstNet, Verizon)
  - Satellite GPS & CBRS Band 48 Capable[5]
- Optional dedicated GPS[6] (u-blox NEO-M9J)
- Dual antenna pass-through
- Intel® Wi-Fi 6E AX211 (up to 2.4 Gbps)
- Bluetooth® v5.3(Class 1) (Low Energy Audio)
- Airplane mode Fn key (on optional keyboard)

SECURITY FEATURES

- Intel® Hardware Shield
- Secured-core PC
- TPM v.2.0
- NIST BIOS compliant
- Persistence® technology by Absolute in BIOS[7]
- Kensington cable lock slots x2 (on tablet and optional keyboard)
- Optional Fingerprint Reader with Active Directory
- Optional insertable Smart Card CAC reader[8]
- Optional contactless Smart Card CAC reader
  - 13.56MHz (ISO 14443 A/B, ISO 18092)[8]

POWER

- Li-Ion battery:
  - 15 hours (tablet), 14.5 hours (clamshell)[9]
  - 10.8V, 6600mAh typical (6300mAh min)
- Optional bridge battery: 1 minute hot swap time
- Battery charging time: 3 hours
- AC Adapter: AC 100V-240V 50/60Hz, Auto Sensing/Switching worldwide power supply

DIMENSIONS & WEIGHT

- 11.0" x 7.4" x 1.1" (tablet only)[10]
- 2.9 lbs. (4.9 lbs. with optional keyboard)

INTEGRATED OPTIONS

- 5G EM9190 or 4G EM7595
- Dedicated GPS[6] (u-blox NEO-M9J)
- Optional emissive mechanical keyboards FZ-VEKG21LM, rubber membrane FZ-VEKG21RM
- User Replaceable SSD for Ultra5 based G2mk3 models
  - 512GB OPAL SSD FZ-VSDG25123
  - 1TB OPAL SSD FZ-VSDG21T23
  - 2TB OPAL SSD FZ-VSDG22T23
- Top Expansion Area xPAK's
  - Barcode Reader FZ-VBRG231M
  - 2nd USB-A FZ-VUBG211U
  - 2nd LAN FZ-VLNG211U
  - True Serial Dongle FZ-VSRG211U
  - Thermal Camera FZ-VTG211PU
  - MicroSD FZ-VSMG221U
- Rear Expansion Area xPAK's
  - Insertable Smart Card FZ-VSCG211U
  - Contactless Smart Card FZ-VRFG211M
  - Fingerprint Reader with Active Directory and local storage 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.

1 Not compatible with vehicle docks 7160-0595-00-P, 7160-0595-02-P, GJ-A2-TVD2-S, GJ-A2-TVC-S, GJ-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, MicroSD, True Serial Dongle xPAK's are mutually exclusive.

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 Finderprint reader are mutually exclusive

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 using no cellular mobile broadband.

10 Tablet with keyboard option is 11.3"x9.3"x2.1".

SPEC SHEET

Panasonic is constantly enhancing product specifications and accessories. Specifications subject to change without notice.
Trademarks are property of their respective owners. ©2024 Panasonic Connect North America, a division of Panasonic Corporation of North America. All rights reserved.