



TOUGHBOOK G2

- Innovative modular design with three expansion bay areas including a new quick release SSD
- Backward compatible with most TOUGHBOOK G1 and 20 docks¹
- Infrared webcam and Windows Hello enables biometric user authentication
- Quick release SSD expansion with optional 512GB or 1TB OPAL SSD
- Single battery design enables hot-swap battery replacement for continuous use
- Optional FirstNet Ready™ Band 14 mobile broadband

10" TABLET EASILY CONVERTS TO A LAPTOP WITH OPTIONAL KEYBOARD.

Panasonic has pioneered the TOUGHBOOK G2, a groundbreaking modular product design that has three expansion areas offering 36 different combinations to deliver 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 docks¹ making it possible for customers to upgrade technology while reusing existing mounting hardware. With a keyboard option and single 18.5 hour battery, 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-810H²

MIL-STD-461G

IP65

C1D2³
HAZ LOC

4-FOOT
DROP RATING

TOUGHBOOK

na.panasonic.com/ca/TOUGHBOOKG2 |

TOUGHBOOK G2

SPEC SHEET



SOFTWARE

- Windows® 11 Pro 64 bit (Windows® 10 Pro downgrade available)
- Panasonic Utilities and Recovery Partition
- Enterprise ready driver packages including CAB files and one-click driver bundles

CERTIFICATIONS AND DURABILITY

- Designed to meet MIL-STD-810H – 4' drop (5' tablet only) shock, bench handling, vibration, rain, dust, sand, altitude, freeze/thaw, high/low temperature, temperature shock, solar radiation, contamination by fluids, humidity, explosive atmosphere²
- MIL-STD-461G
- IP65
- Optional ANSI hazardous location C1D2³ (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^{5,6}
- Removable battery
- Optional rotating hand strap
- Reinforced locking port covers
- Raised bezel for LCD impact protection
- Replaceable screen protector

CPU

- Intel® Core™ i5-10310U vPro™ processor – 1.7GHz with Turbo Boost up to 4.4GHz, 6MB cache
- Intel® Core™ i7-10810U vPro™ processor – 1.1GHz with Turbo Boost up to 4.9GHz, 12MB cache

STORAGE & MEMORY

- Factory installed 16GB or 32GB RAM (DDR4-LPDDR4x)⁴
- 512GB or 1TB Quick release OPAL NVMe SSD with heater⁴

DISPLAY

- 10.1" WUXGA (1920 x 1200)
 - Capacitive gloved multi touch + digitizer
- Aspect ratio 16:10
- Direct bonding
- Anti-reflective (AR) screen treatment
- Intel UHD Graphics
- Supports up to 5 monitors
- Concealed Mode; Day/Night Mode

AUDIO

- Integrated dual array microphone
- Intel® High Definition Audio compliant
- Integrated 88db speakers (front-facing)
- On-screen and button volume and mute controls

CAMERAS

- 1920x 1080p webcam w/privacy cover & dual array mic
 - Infrared with Windows Hello support
- 8MP rear camera with autofocus with LED flash
- Optional thermal camera [FLIR Lepton 3.5]⁵

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 keyboards and rubber keyboard:
 - Backlit (color-selectable) with 4 adjustable levels
 - 82-key with dedicated Windows® key
 - Pressure-sensitive touchpad with multi touch

INTERFACE

- On the tablet:
 - USB-C 10Gbps (w/PD)
 - USB-A 5Gbps
 - Optional USB-A 0.5Gbps⁵
 - 10/100/1000 Ethernet RJ-45
 - Optional Serial (True) D-sub 9-pin⁵
 - Dual SIM (Nano-SIM 4FF x1, eSIM x1)
- On the optional keyboard:
 - Docking Connector 24-pin
 - USB-C (3.0 no/PD)
 - USB-A

WIRELESS

- Optional (Band 14 EM7511) 4G LTE-A multi carrier w/satellite GPS
 - CBRS Band 48 compatible⁶
- Optional dedicated GPS (u-blox NEO M8N)
- Dual high-gain antenna pass-through
- Intel® Wi-Fi 6 AX201
- Bluetooth® v5.1 (Class 1)

SECURITY FEATURES

- Intel® Hardware Shield
- Secured-core PC
- TPM v.2.0
- NIST BIOS compliant
- Persistence® technology by Absolute embedded in BIOS⁷
- Kensington cable lock slots x2 (on tablet and optional keyboard)
- Optional insertable SmartCard CAC reader⁶
- Optional contactless SmartCard CAC reader 13.56MHz (ISO 14443 A/B compliant)⁶

POWER

- Li-Ion battery:
 - 18.5 hours⁸
 - 10.8V, 6300mAh
- 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)⁹
- 2.9 lbs. (4.9 lbs. with optional keyboard)

WARRANTY

- 3-year limited warranty, parts and labor

INTEGRATED OPTIONS

- 4G LTE multi carrier with satellite GPS (Band 14 EM7511)
- Dedicated GPS (u-blox NEO-M8N)
- Top expansion (xPAK) area, choice of 2D bar code reader, second USB-A 2.0, second LAN, True Serial with dongle or thermal camera
- Rear expansion area (xPAK) choice of insertable SmartCard reader or contactless SmartCard reader¹⁰
- SSD expansion (xPAK) area, choice of 512GB OPAL SSD or 1TB OPAL SSD
- Optional emissive keyboard

xPAKs

- Top Expansion Area
 - Barcode Reader..... FZ-VBRG211U
 - USB-A..... FZ-VUBG211U
 - LAN..... FZ-VLNG211U
 - True Serial..... FZ-VSRG211U
 - Thermal Camera..... FZ-VTSG211U
- Rear Expansion Area
 - Insertable SmartCard..... FZ-VSCG211U
 - Contactless SmartCard..... FZ-VRFG211U
- SSD Expansion Area
 - 512GB OPAL SSD..... FZ-VSDG25121
 - 1TB OPAL SSD..... FZ-VSDG2121

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 Gamber Johnson slim vehicle docks 7160-0595-00-P, 7160-0595-02-P, GJ-A2-TV02-S, GJ-A2-TVC-S, GJ-A2-TV00-S.
- 2 In process of being tested by national independent third party lab following MIL-STD-810H Method 516.8 Procedure IV for transit drop test.
- 3 Schedule to have C1D2 certified by 3Q CY.
- 4 1GB = 1,000,000,000 bytes. Total usable memory will be less depending upon actual system configuration.
- 5 Bar code reader, True serial, USB-A, LAN and Thermal camera expansion packs are mutually exclusive.
- 6 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.
- 7 Requires software and activation to enable theft protection.
- 8 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 2014 at 150 nit and using no cellular mobile broadband.
- 9 Tablet with keyboard option is 11.3"[L] x 9.3"[W] x 2.1"[H].
- 10 Contactless reader type; HF RFID, ISO 14443, type A/B, ISO 18092, Mifare

