Panasonic CONNECT



# TOUGHBOOK 55

- Innovative modular design and user-removable xPAK's offer unparalleled customization
- Unprecedentered all-day battery life
- MIL-STD-810H and IP53 certified magnesium alloy design with built-in handle
- Backwards compatibility with the previous generation of vehicle and desktop docks
- State of the art technology including infrared webcam with AI noise reduction microphones and privacy cover

## AWARD WINNING MODULAR DESIGN AND ALL-DAY BATTERY LIFE

The Panasonic TOUGHBOOK® 55 breaks new ground offering unrivaled flexibility in even the most demanding and unpredictable environments with its innovative modular expansion packs (xPAK's). I/O, optical drives, authentication readers, and even the barcode reader xPAK are all user-upgradeable. Backwards compatibility with the previous generation of docks protects customers' investments while saving time and resources. Built with state of the art technology, the TOUGHBOOK 55 offers the latest Intel® 13th Gen CPU with up to 14 processors, up to 64GB of RAM, up to 2TB of storage, microphones with AI noise reduction, color-selectable backlit keyboard and 92db speakers.

MIL-STD-810H

IP53

3-FOOT DROP RATING

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TOUGHBOOK FZ-55 Mk3

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# TOUGHBOOK 55

## SOFTWARE

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

## CERTIFICATIONS & DURABILITY

- MIL-STD-810H: 3' drop, shock, bench handling, vibration, dust, sand, altitude, freeze/thaw, high/low temperature, temperature shock, humidity)[1]
- IP53[1]
- Spill-resistant keyboard
- Magnesium alloy chassis with handle
- User-removable xPAK's, RAM, keyboard, battery and caged SSD (w/heater)[2]
- Raised bezel for LCD impact protection
- Replaceable screen protector

## CPU

- Intel® Core™ i5-1345U vPro® core processor
  - Up to 4.7GHz with Turbo Boost, 12MB cache
- Intel® Core™ i7-1370P vPro® core processor
  - Up to 5.2GHz with Turbo Boost, 24MB cache

## STORAGE & MEMORY

- User-upgradeable RAM (up to 2 DIMM's) 16-64GB total (DDR4-3200MHz)[3,4]
- Main SSD: 512GB, 1TB or 2TB quick-release OPAL NVMe with heater[3]
- Optional 2nd SSD: 512GB or 1TB quick-release OPAL NVMe with heater[3]

## DISPLAY & GRAPHICS

- Display
  - 14.0" HD 1366 x 768
  - 14.0" FHD 1920 x 1080 capacitive touch (1000 nit)
- IPS with direct bonding
- Anti-reflective (AR) and anti-glare (AR) screen treatments on Touch model
- Graphics
  - Intel® UHD Graphics (units with 1 DIMM)
  - Intel® Iris® Xe Graphics (units with 2 DIMM)[4]
- Supports up to 4 displays
- Concealed Mode; Day/Night Mode

## AUDIO

- Integrated dual-array mic w/ AI noise reduction
- Waves MaxxAudio®
- Integrated 92db speakers (top-facing)
- Keyboard volume and mute controls

## WEBCAM

- 2MP (1080p) w/ privacy cover
  - Infrared with Windows Hello support

## KEYBOARD & INPUT

- Touch model: Stylus pen, stylus holder and tether
- Touch model: 4 models (glove, touch, pen, pen/touch)
- Backlit keyborad icons (Caps lock, Num Lock, Scroll Lock, Storage Drive, SD Card)
- User-removable 82-key emmissive keyboard[2]
  - 4 programmable keys (A1-A4)
  - Color-selectable backlit with 4 adjustable levels
- Electrostatic touchpad with multi touch

## OPTICAL DRIVE

- Optional Blu-ray Drive (xPAK)[5]
- Optional DVD Drive (xPAK)[5]

## INTERFACE

- USB-C Thunderbolt™ 4 , 40Gbps 3A (PD, DP)
- USB-A x2 (10Gbps 1.5A, 5Gbps 0.9A)
- Optional USB-C (5Gbps); Optional USB-A (5Gbps)[6]
- MicroSDXC UHS-I
- HDMI 4K
- Optional VGA[6]
- Ethernet 1Gbps RJ-45
- Optional 2nd Ethernet 1Gbps RJ-45[6]
- Optional Serial (True) D-sub 9-pin[6]
- Audio In/Out 3.5mm
- Dual SIM (Nano-SIM 4FF x1, eSIM x1)

## WIRELESS

- Optional 4G
  - 4G (LTE, LTE-A)
- Optional dedicated GPS (u-box NEO-M8N)
- Optional dual antenna pass-through
- Intel® Wi-Fi 6E AX211 (up to 2.4 Gbps)
- Bluetooth® v5.3 (Class 1)
- Airplane mode Fn key

## POWER

- Li-Ion battery:
  - 10 hours (20 w/opt. 2nd battery)[7,8]
  - 10.8V, 6500mAh typical (6300mAh min)
- Hot swap with optional 2nd battery[8]
- Battery charging time: 3 hours (each battery)[7]
- TOUGHBOOK Smart Battery Technology
- AC Adapter: AC 100V-240V worldwide power, auto sensing/ switching

## SECURITY FEATURES

- Secured-core PC
- TPM v.2.0
- NIST BIOS compliant
- Persistence® technology by Absolute in BIOS
- Kensington cable lock slots
- Encrypted OPAL SSD's
- Optional locking screws for SSD and PAK's
- Optional fingerprint reader xPAK's[8]
  - Secured-core PC (363 DPI)
  - Active Directory (385 DPI)
- Optional insertable Smart Card reader xPAK's[5,8]
- Optional contactless Smart Card reader xPAK's[8]
  - 13.56MHz (ISO 14443 A/B, ISO 15693, 18092)

## DIMENSIONS & WEIGHT

- 10.7"(L) x 13.6"(W) x 1.3"(H)
- 4.6 lbs. (HD model), 4.9 lbs. (Touch model)

## WARRANTY

- 3-year standard warranty, parts and labor

### Please consult your reseller or Panasonic representative to learn more about the TOUGHBOOK 55 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. Keyboard is user-replaceable, but once removed, the old keyboard must be discarded.
3. 1GB = 1,000,000,000 bytes. Total usable memory will be less depending upon actual system configuration.
4. Units equipped with two DIMM (memory cards) come with Intel Iris Xe graphics instead of Intel UHD graphics.
5. Barcode Reader, Insertable Smart Card CAC Reader, DVD Drive, Blu-ray Drive and 2nd SSD Drive in Left Expansion Area are mutually exclusive.
6. VGA+Serial+USB-A, VGA+Serial+LAN and USB-C+USB-A in Rear Expansion Area 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 test results from MobileMark 25 at 250 nit, connected to Wi-Fi and using the Office Productivity and Creativity scenarios. MobileMark 2014 battery life results is 18 hours (36 with optional long life batteries) tested at 150 nit, connected to Wi-Fi and using just the Office Productivity scenario.
8. 2nd Battery, Fingerprint Reader, Contactless Smart Card Reader and Insertable Smart Card Reader in Right Expansion Area are mutually exclusive.

intel. vPRO

intel. iRIS Xe GRAPHICS

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