TOUGHBOOK 55

- Innovative modular design and user-removable xPAK’s offer unparalleled customization
- Unprecedented battery life — up to 38 hours MobileMark 2014 with optional 2nd battery
- 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 tetra-array 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 new 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® 11th Gen quad-core processors, up to 64GB of RAM, up to 2TB of storage, all-day battery life, 4 microphones provide unparalleled speech recognition accuracy, color-selectable backlit keyboard and 92db speakers.
TOUGHBOOK 55

SOFTWARE
- Windows® 11 Pro or Windows 10 Pro Downgrade
- Panasonic Utilities and Recovery Partition

CERTIFICATIONS & DURABILITY
- MIL-STD-810H: 3 drop, shock, bench handling, vibration, dust, sand, altitude/freeze/thaw/high/low temperature, temperature shock, humidity
- IP55
- ASTM D4169-16

CPU
- Intel® Core™ i5-1145G7 processor
- Up to 4.4GHz with Turbo Boost, 8MB cache

STORAGE & MEMORY
- User-upgradable RAM (up to 2 DIMMs)
- 16-64GB total (DDR4-3200MHz)
- Main SSD: 512GB, 1TB or 2TB quick-release OPAL NVMe with heater
- Optional 2nd SSD: 512GB or 1TB quick-release OPAL SATA with heater

DISPLAY & GRAPHICS
- Graphics: Intel® UHD Graphics (Units with 1 DIMM)
- Intel® Iris® Xe Graphics (Units with 2 DIMMs)
- Supports up to 4 displays
- Concealed Mode; Day/Night Mode
- Anti-reflective (AR) and anti-glare (AR) screen treatments on Touch model

AUDIO
- Integrated stereo array microphones
- Intel® High Definition Audio compliant

WEBCAM
- 2MP (1080p) with privacy cover & tetra-array mic
- Infrared with Windows Hello support

KEYBOARD & INPUT
- Touch model: Stylus pen, stylus holder, tether and cleaning cloth
- Touch model: 4 modes (glove, touch, pen, pen/touch)
- Backlit keyboard icons (Caps lock, Num Lock, Scroll Lock, Storage Drive, SD Card)
- User-replaceable 82-key emissive keyboard
- Color-selectable backlit with 4 adjustable levels
- Electrostatic touchpad with multi touch

OPTICAL DRIVE
- Optional Blu-ray Drive (xPAK)

INTERFACE
- Opt. USB-C Thunderbolt™ 4, 40Gbps 3A (w/PD)
- USB-A x2 (10Gbps 1.5A, 5Gbps 0.9A)
- Optional USB-A 5Gbps
- Optional Fischer® USB (Core Series 5-pin)
- MicroSDXC UHS-I
- HDMI 4K

WIRELESS
- Optional 4G EM7511 (up to 600 Mbps)
- 4G (LTE, LTE-A)
- Multi carrier (AT&T, FirstNet, Verizon)
- Satellite GPS & CBRS Band 48 Capable
- Optional dedicated GPS (u-blox NEO-M8)
- Optional dual antenna pass-through
- Optional Wi-Fi 6 AX201 (up to 2.4 Gbps)
- Bluetooth® v5.1 (Class 1)
- Airplane mode f/f key

POWER
- Li-ion battery:
  - HD model: 19 hours
  - Touch HD model: 18 hours
  - 10.8x 6500mAh typical (6500mAh min)
- Hot swap with optional 2nd battery
- Battery charging time: 5 hours (each battery)
- TOUCHBOOK Smart Battery Technology
- AC Adapter: AC 100V-240V worldwide power, auto sensing/switching

SECURITY FEATURES
- Secure-core PC
- TPM v2.0
- NIST BiO compliant
- Persistence® Technology by Absolute in BIDS
- Kensington cable lock slot

DVD Drive
- Satellite GPS & CBRS Band 48 Capable
- HD model: 19 hours
- 1TB 2nd SSD OPAL
- Acted by Absolute in BIDS
- Optional rear expansion area xPAK's
- Rear expansion area xPAK's
- Rear expansion area xPAK's
- Rear expansion area xPAK's
- Rear expansion area xPAK's

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 limited warranty, parts and labor

INTEGRATED OPTIONS
- 4G EM7511 modem
- Dedicated GPS (u-blox NEO-M8)
- Dual antenna pass-through
- Main SSD (OPAL)
- 512GB
- 1TB
- 2TB
- Memory Cards
- 16GB DDR4
- 32GB DDR4
- Backlit Emissive Keyboard
- Rear Expansion Area xPAK's
- User-removable xPAK's, RAM, keyboard, battery and caged SSD (w/heater)
- Optional locking screws for SSD and xPAK's

Please consult your reseller or Panasonic representative to learn more about the TOUGHBOOK 55 and the wide variety of accessories and services offered.

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 60539 Sections 13.4, 13.6, 14.2.5 and 14.3 for IP.
3 Keyboard is user-replaceable, but once removed, the old keyboard must be discarded.
4 1GB = 1,000,000,000 bytes. Total usable memory will be less depending upon actual system configuration.
5 Units equipped with two DIMM (memory cards) come with Intel Iris Xe graphics instead of Intel UHD graphics.
6 HD 1000 nit non-touch model is available but requires special order. Please contact a Panasonic representative for details.
7 2nd Battery, Fingerprint Reader, Contactless Smart Card Reader and Insertable Smart Card Reader in Rear Expansion Area are mutually exclusive.
8 Batteries are user-replaceable, but once removed, the old battery must be discarded.
9 Bluetooth® and the wide variety of accessories and services offered.

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TOUGHBOOK 55 Mk2
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