



Panasonic recommends Windows.

TOUGHBOOK 55

- Innovative modular design and user-removable expansion packs offer unparalleled customization
- Unprecedented battery life — up to 40 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
- Optional FirstNet Ready™ EM7511 Band 14 mobile broadband

MIL-STD-
810H

IP53

3-FOOT
DROP RATING

THE WORLD'S LIGHTEST AND THINNEST SEMI-RUGGED LAPTOP IN ITS CLASS.

The Panasonic TOUGHBOOK® 55 breaks new ground offering unrivaled flexibility in even the most demanding and unpredictable environments with its innovative modular expansion packs. I/O, optical drives, authentication readers, and even discrete graphic expansion packs are 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® 8th Gen vPro™ 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, crisp and powerful 92db speakers, faster and more secure Wi-Fi, and a 25% larger touchpad.

1.800.662.3537

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A Lifeline in the Moments that Matter

TOUGHBOOK®

TOUGHBOOK 55

SOFTWARE

- Windows® 10 Pro 64-bit
- Panasonic Utilities [including Dashboard], Recovery Partition
- Enterprise ready driver packages including CAB files and one-click driver bundles

DURABILITY

- MIL-STD-810H certified [3' drop, shock, vibration, sand, dust, altitude, freeze/thaw, high/low temperature, high temperature tactical, temperature shock, humidity]¹
- IP53 certified²
- ASTM D4169-16 certified³
- Spill-resistant keyboard
- Magnesium alloy case with handle
- Storage drive heater
- Caged storage drive
- User-removable quick-release battery and storage drive
- User-removable modular expansion packs, RAM and keyboard²

OPERATING SYSTEM

- CPU
 - Intel® Core™ i5-8365U vPro™ processor
1.6GHz with Turbo Boost up to 4.1GHz, 6MB cache
 - Intel® Core™ i7-8665U vPro™ processor
1.9GHz with Turbo Boost up to 4.8GHz, 8MB cache
- Graphics
 - Intel® UHD Graphics 620
 - Optional AMD Radeon™ Pro WX 4150 [expansion pack]³
- Memory [RAM] - 2 slots user-upgradeable
 - 8GB up to 64GB total [DDR4-2133MT/s]^{4,5}
- Main Storage Drive caged with heater [quick-release]
 - 512GB or 1TB M.2 SSD^{4,5}
 - Optional OPAL encrypted SSD
- Optional 2nd Storage Drive caged with heater [quick-release]
 - 512GB or 1TB M.2 SSD^{4,5}

DISPLAY

- Display Size and Resolution
 - 14.0" HD 1366 x 768
 - 14.0" FHD 1000 nit touch 10-pt. capacitive 1920 x 1080⁵
- IPS with direct bonding
- Anti-reflective (AR) and anti-glare (AG) screen treatments
- External monitor support through HDMI, USB-C and optional VGA
- Concealed Mode [configurable]
- Day/Night Mode [configurable]

AUDIO

- Integrated dual speakers [up to 92db]
- Intel® High Definition Audio compliant
- Keyboard volume and mute controls

CAMERAS

- 1080p webcam with privacy cover and tetra-array microphones [4 mics]
 - Infrared with Windows Hello support

KEYBOARD & INPUT

- Touch FHD model: Stylus pen, stylus holder and cleaning cloth
- Touch FHD model: Supports glove mode
- User-removable 87-key US keyboard²
 - 4 user-definable keys [A1-A4]
 - Color-selectable emissive backlit keyboard with 4 adjustable levels
 - 5 backlight keyboard icons [Caps lock, Num Lock, Scroll Lock, Storage Drive, SD Card]
- Electrostatic touchpad with multi touch

OPTICAL DRIVE

- Optional Blu-ray Drive [expansion pack]³
- Optional DVD Drive [expansion pack]³

INTERFACE

Docking Connector	24-pin
USB-A: 3.1 Gen 1 (x2), optional 3rd USB-A ⁶	Type A [including one 1.5A port]
USB-C: 3.1 Gen 1 with optional Power Delivery	Type C
Optional Rugged Fischer® USB [Core Series] ⁶	5-pin
MicroSDXC	UHS-I
HDMI	2.0
Optional VGA ⁶	D-sub 15-pin
1 Gbps Ethernet [optional 2nd LAN] ⁶	RJ-45
Audio In/Out	3.5mm Mini-jack stereo
Optional Serial [True] ⁶	D-sub 9-pin
Nano-SIM	4FF

WIRELESS

- Opt. 4G LTE EM7511 Band 14 multi carrier mobile broadband with satellite GPS
 - Certified with AT&T, FirstNet™, Verizon
- Optional dedicated GPS [u-blox NEO-M8N]
- Optional dual high-gain antenna pass-through
- Intel® Wireless-AC 9560 Wi-Fi 802.11a/b/g/n/ac
 - Up to 1.7 Gbps and up to 256-bit AES encryption
- Bluetooth® v5.0 [Class 1]
- Airplane mode Fn key

POWER

- Li-Ion battery pack:
 - 10.8V, typical 6500 mAh, min. 6300 mAh
- Battery operation⁷:
 - HD model: 20 hours [40 hours with opt. 2nd battery]⁸
 - Touch FHD model: 19 hours [38 hours with opt. 2nd battery]⁸
- Hot swap with optional 2nd battery⁸
- Battery charging time: 3 hours [each battery]⁷
- TOUGHBOOK Smart Battery Technology
- AC Adapter: AC 100V-240V worldwide power, auto sensing/switching

SECURITY FEATURES

- TPM v2.0
- NIST BIOS compliant
- Intel vPro™ including Intel® Hardware Shield
- Persistence® technology by Absolute embedded in BIOS⁹
- Kensington cable lock slot
- Optional locking screws for SSD and expansion packs
- Optional touch fingerprint reader [expansion pack]⁹
- Optional insertable SmartCard CAC readers - up to 2 [expansion packs]^{3,8}
- Optional contactless SmartCard CAC reader [expansion pack]⁹
 - 13.56MHz [ISO 14443 A/B compliant]

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WARRANTY

- 3-year limited warranty, parts and labor

DIMENSIONS & WEIGHT

- 10.7" [L] x 13.6" [W] x 1.3" [H]
- 4.6 lbs. [HD model], 4.9 lbs. [Touch FHD model]

INTEGRATED OPTIONS¹⁰

- 4G LTE Band 14 EM7511 multi carrier mobile broadband with satellite GPS
- Optional dedicated GPS
- Dual antenna pass-through
- Rear Expansion Area: VGA+Serial+USB-A or VGA+Serial+Rugged Fischer USB or VGA+Serial+LAN
- Front Expansion Area: 2nd Battery or Fingerprint Reader or Contactless SmartCard CAC or Insertable SmartCard CAC
- TOUGHBOOK Universal Bay Expansion Area: Insertable SmartCard CAC Reader or DVD Drive or Blu-ray Drive or AMD Dedicated Graphics or 2nd SSD Drive

SELECT ACCESSORIES¹⁰

AC Adapter 100W [3-prong]	CF-AA5713A2M
Battery Pack	FZ-VZSU1HU
4-Bay Battery Charger	FZ-VCB551M
LIND Car Charger 120W	CF-LNDDC120
LIND Solar Charge System	PASC1580-4464
ToughMate ComUniversal Carrying Case	TBCCOMUNV-P
ToughMate Backpack	TBCBPK-P
Memory Cards [RAM] <ul style="list-style-type: none"> - 8GB DDR4 - 16GB DDR4 	FZ-BAZ1908
Desktop Dock	FZ-BAZ1916
Vehicle Docks [dual pass-through] <ul style="list-style-type: none"> - Gamber-Johnson with LIND power supply - Havis with LIND power supply 	FZ-55LVD2L
AntennaPlus Dual LTE & GPS Antenna Kit	AP-PAN-CCGPD-Q-BL
- Threaded Black Mount	AP-PAN-CCGPD-Q-WH
- Threaded White Mount	FZ-VNP551U
Stylus Pen [for Touch models]	FZ-VNT005U
Tether	CF-VPF29U
14.0" Screen Protector	FZ-VSW551U
Screws Set [set of 14 locking/replacement]	FZ-VCN551W
Rear Expansion Area <ul style="list-style-type: none"> - VGA + Serial + USB-A xPAK - VGA + Serial + LAN xPAK - VGA + Serial + Rugged Fischer USB xPAK 	FZ-VCN552W
Front Expansion Area <ul style="list-style-type: none"> - Fingerprint Reader xPAK - Contactless SmartCard Reader xPAK - Insertable SmartCard xPAK 	FZ-VFP551W
TOUGHBOOK Universal Bay Expansion Area <ul style="list-style-type: none"> - Insertable SmartCard xPAK - Blu-ray Drive xPAK - DVD Drive PAK - AMD Dedicated Graphics xPAK - 512GB SSD 2nd Drive xPAK - 1TB SSD 2nd Drive xPAK - 512GB SSD Main Drive 	FZ-VSC551W
1TB SSD Main Drive	FZ-VSDR551W

Please consult your reseller or Panasonic representative before purchasing.

¹Tested 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 IP53.

²Keyboard is user-replaceable, but once removed, the old keyboard must be discarded.

³Insertable SmartCard CAC Reader, DVD Drive, Blu-ray Drive, AMD Dedicated Graphics and 2nd SSD Drive in TOUGHBOOK Universal Bay area are mutually exclusive.

⁴1GB = 1,000,000,000 bytes. Total usable memory will be less depending upon actual system configuration.

⁵64GB RAM, 256GB SSD and/or FHD 1000 nit non-touch are available but requires special order. Please contact a Panasonic representative for details.

⁶VGA+Serial+USB-A or VGA+Serial+Rugged Fischer USB or VGA+Serial+LAN in Rear Expansion Area are mutually exclusive.

⁷Battery 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.

⁸2nd Battery or Fingerprint Reader or Contactless SmartCard CAC or Insertable SmartCard CAC in Front Expansion Area are mutually exclusive.

⁹Requires software and activation to enable theft protection.

¹⁰Accessories and Integrated Options may vary depending on your notebook configuration. Visit Panasonic website for more accessories and details.



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