Panasonic



Panasonic recommends Windows.

TOUGHBOOK 54

- 14" HD (768p) and FHD (1080p) displays
- Available daylight-readable 1000 Nit gloved multi touch display
- Desktop class performance with available discrete graphics and dual fans
- MIL-STD-810G and IP51 certified magnesium alloy design with built-in handle
- Available 2nd drive, hot-swappable 2nd battery, 2nd LAN, Serial, DVD, antenna pass-through, SmartCard readers and more
- Industry leading driver packages for ease of deployment and support
- Available TPM 2.0 Security¹
- Available with P.180 for seamless global connectivity¹³







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

The Toughbook® 54 laptop from Panasonic uses the latest advances to create a laptop up to 2 lbs. lighter and 0.5" thinner than the competition. It features a spill-resistant, full magnesium alloy design, hard drive heater, backlit keyboard, and is available in four different models to suit every need. The Toughbook 54 has a wide range of integrated options, such as dedicated GPS, 4G LTE mobile broadband with satellite GPS on select models, antenna pass-through, and insertable and contactless SmartCard CAC readers.





TOUGHBOOK 54

0057144.05	
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-810G certified (3' drop, shock, vibration, sand, dust, altitude, high/low temperature, high temperature tactical, temperature shock, humidity ? IPSI certified? Spill-resistant keyboard Magnesium alloy case with handle Storage drive heater Shock-mounted caged storage drive Removable quick-release battery and storage drive Dual fans [Performance model] Preinstalled replaceable screen film for LCD protection [Gloved Multi Touch model]
OPERATING SYSTEM	This Gen CPU models: CPU Intel® Core™ i5-7300U vPro™ processor 2.6GHz with Turbo Boost up to 3.5GHz, 3MB cache Intel® Core™ i5-7300U vPro™ processor 2.8GHz with Turbo Boost up to 3.9GHz, 4MB cache Graphics Intel® HD Graphics 620 (all models) AMD Radeon™ Pro WX 4150 (Performance model) Memory (RAM) - 2 slots upgradeable Performance model: 16GB up to 32GB total (IDR4-2133MT/s)³ Other models: 86B, 16GB or 32GB¹ total (IDR4-2133MT/s)³ Storage Drive Shock-mounted with Heater (quick-release) Jobos HDD (Sd0pram Lite model): 25GB SSD other models⁴ Optional 512GB/TB SSD, 1TB 7200rpm HDD³ Optional OPAL encrypted SSD Optional 2nd Storage Drive with Heater (trained technician removable)³ - 25GB/512GB/TB SSD¹ Storage Drive Mith Heater (trained technician removable)³ - 25GB/512GB/TB SSD² Hother Core™ i5-6300U vPro™ processor 2.4GHz with Turbo Boost up to 3.0GHz, 3MB cache Intel® Core™ i5-6600U vPro™ processor² 2.6GHz with Turbo Boost up to 3.4GHz, 4MB cache Graphics Intel® HD Graphics 520 (all models) - AMD FirePro™ M5100 (Performance model) Memory (RAM) - 2 slots upgradeable Performance model: 8GB or 16GB total (DDR3L-1600MT/s)⁴ Storage Drive Shock-mounted with Heater (quick-release) - 500GB HDD (5400rpm Lite model; 7200rpm other models)³ - Optional 256GB/512GB/TB SSD. TIB 7200rpm HDD⁴ - Optional OPAL encrypted SSD Optional OPAL encrypted SSD Optional OPAL encrypted SSD
DISPLAY	Display Size and Resolution Gloved Multi Touch model: 14.0" FHD 10-pt capacitive 1920 x 1080 (1000 nit) Performance model: 14.0" FHD 1920 x 1080 Prime and Lite models: 14.0" HD 1366 x 768 PS with direct bonding on FHD displays Anti-reflective (AR)* and anti-glare (AG) screen treatments Triple monitor support through HDMI and optional VGA Concealed mode (configurable)
AUDIO	Integrated dual microphone Intel® High Definition Audio compliant Integrated speakers Keyboard volume and mute controls
CAMERAS	 1080p webcam with dual mic and camera on/off indicator³ (optional on 6th Gen CPU models, standard on all 7th Gen CPU models except Lite model)
KEYBOARD & INPUT	Gloved Multi Touch model: Stylus pen, stylus holder and cleaning cloth are optional ⁵ Gloved Multi Touch model: Supports glove mode and rain mode 2 user-definable keys (A1/A2) 87-key with dedicated Windows® key Emissive backlit keyboard with 4 adjustable levels (white backlit on 6th Gen CPU models, red backlit on 7th Gen CPU models) Electrostatic touchpad with multi touch
DVD DRIVE	■ Optional DVD Super MULTI Drive ⁵
INTERFACE & EXPANSION	■ Docking Connector ■ USB 3.0 {x 3} ■ Optional USB 2.0 {x 1} ■ Optional USB 2.0 {x 1} ■ Optional Rugged Fischer® USB (Core Series) ■ SD card (SDXC) ■ HDMI ■ Optional VGA ■ 10/100/1000 Ethernet ■ 10/100/1000 2nd LAN (Ethernet) ■ Audio In/Out ■ Optional Serial (True) ■ Optional PC card ■ Mini-SIM ■ 245 ■ Variable (State of State of Sta
WIRELESS olivery Const."	Opt. 46 LTE-Advanced multi carrier mobile broadband w/ satellite GPS [7th Gen CPU models only] Certified with Verizon, AT&T, Sprint and P.180 ¹³ Optional dedicated GPS (u-blox NEO-M8N) ^{3,4} Optional dual high-gain antenna pass-through ³ Intel® Dual Band Wireless-AC 8260 Wi-Fi 802.11a/b/g/n/ac (8265 on 7th Gen CPU models) Bluetooth® v4.1 + EDR (Class 1) Slide on/off switch
POWER 1 800 662 3537	■ Li-lon battery pack: - Lite model (lightweight battery): 10.8V, typical 3220mAh, min. 3050mAh - Other models (long life battery): 11.1V, typical 4200mAh, min. 4080mAh - Media bay 2nd battery: 11.1V, typical 2960mAh, min. 2860mAh³ ■ Battery operation³ ** This Gen CPU models: - Lite model: 7 hours (14 hours with opt. 2nd battery) - Prime model: 12 hours (20 hours with opt. 2nd battery) - Performance & Touch models: 10 hours (17 hours with opt. 2nd battery) - Cher models: 11 hours (18 hours with opt. 2nd battery) - Lite model: 9 hours (16 hours with opt. 2nd battery) - Other models: 11 hours (18 hours with opt. 2nd battery) ■ Hot swap with optional media bay 2nd battery ■ Battery charging time: 2.5 hours (each battery)³ - Quick charge: 80% charge in approx 1 hour ■ AC Adapter: AC 100V-240V 50/60Hz, auto sensing/switching worldwide power supply

SECURITY FEATURES

- TPM v1.2 (TPM v2.0 available)¹
 NIST BIOS compliant
 Persistence® technology by Absolute embedded in BIOS¹⁰
- Kensington cable lock slot
- Optional fingerprint reader^{3,7}
 Optional insertable SmartCard CAC reader (bottom)
 Optional contactless SmartCard CAC reader^{3,7}
- 13.56MHz (ISO 14443 A/B compliant)

3-year limited warranty, parts and labor

DIMENSIONS & WEIGHT

- 10.7"(L) x 13.6"(W) x 1.2"(H)¹¹
 4.2 lbs. (Lite model), 4.4 lbs. (Prime model)
- 4.6 lbs. (Performance and Gloved Multi Touch models)

INTEGRATED OPTIONS¹²

- 4G LTE multi carrier mobile broadband with satellite GPS (7th Gen CPU models)
- 4 G LTE multi carrier mobile broadband with satellite GPS [7th Gen GPO models]
 Dual antenna pass-through³
 Dedicated GPS [u-blox] or 2nd LAN or 4th USB [2.0] or rugged Fischer USB³
 PC Card³ or DVD drive or insertable SmartCard CAC [media bay] or media bay 2nd battery or stylus pen holder
 Contactless SmartCard CAC or fingerprint reader³
 Insertable SmartCard CAC reader [bottom]
 Serial³
 VGA

SELECT ACCESSORIES¹²

AC Adapter 100W (3-prong)Long Life Battery Pack CF-AA5713AM CF-VZSU0PW CF-VZSU0LW Lightweight Battery Pack Media Bay 2nd Battery Pack⁵ CF-VZSU0KW Media Bay 2nd Battery Pack*
 Battery Charger
 LIND Car Charger 120W
 LIND Solar Charge System
 ToughMate Always-on 54 Case
 ToughMate ComUniversal Carrying Case
 ToughMate Backpack
 Mappag Cardr CF-VCBTB3W CF-LNDDC120 PASC1580-4464 TRC54A0CS-P TBCCOMUNV-P TBCBPK-P Memory Cards
 4GB DDR3L (6th Gen CPU models)
 8GB DDR3L (6th Gen CPU models)
 8GB DDR4 (7th Gen CPU models) CF-BA71504 CF-BAZ1508 CF-BAZ1708

CF-BAZ1716

CF-VEB541AU 7170-0250-P

CF-H-PAN-422-P CF-H-PAN-422-2-P AP-PAN-CCGPD-Q-BL AP-PAN-CCGPD-Q-WH

FZ-VNPM11AU

CF-VPF29U

- 16GB DDR4 (7th Gen CPU models)
- Desktop Dock
 Vehicle Docks (no pass-through)
 Gamber-Johnson with LIND power supply
- Gamber-Johnson with LIND power supply
 Havis with LIND power supply
 Vehicle Docks (dual pass-through)
 Gamber-Johnson with LIND power supply
 Havis with LIND power supply
 AntennaPlus Dual LTE & GPS Antenna Kit
 Threaded Black Mount
 Threaded White Mount
 Cleved Multi Touch Shure
 Cleved Multi Touch Shur
- Gloved Multi Touch Stylus
- 14.0" Gloved Multi Touch LCD Protective Film

Please consult your reseller or Panasonic representative before purchasing.

- ¹ TPM 1.2 ships by default on 6th Gen CPU models, but can run TPM2.0 see below Microsoft link for details: support.microsoft.com/en-us/help/2920188/update-to-add-support-for-tpm-2.0-in-windows-7-and-windows-server-2008-r2.
- ² Tested by national independent third party lab following MIL-STD-8106 Method 51.6.6 Procedure IV for transit drop test and IEC 60529 Sections 13.4, 13.6.2, 14.2.5 and 14.3 for IP51 on base model.
- 3 Not available on Lite model.
- 4 1GB = 1,000,000,000 bytes. Total usable memory will be less depending upon actual system configuration.
- ⁵ DVD, PC Card insertable SmartCard CAC (media bay), Media Bay 2nd Battery and stylus pen holder are mutually exclusive. As an alternative, units can be configured with insertable SmartCard CAC reader (bottom). NOTE: DVD drive is serviceable by trained and authorized professionals only – please contact a Panasonic representative for program details.
- ⁶ Dedicated GPS (u-blox), 4th USB (2.0), rugged Fischer USB and 2nd LAN are mutually exclusive.
- 7 Contactless SmartCard CAC and fingerprint readers are mutually exclusive.
- Battery performance features such as charge time and tife 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 of Win10 models from MobileMark 2014 at 150 nit and Win7 models from MobileMark 2007 at 60 nit.
- ¹⁰ Requires software and activation to enable theft protection.
- 11 1.5" height on Performance model and all models with the following integrated options: insertable SmartCard (bottom), 2nd LAN, 4th USB (2.0), rugged Fischer USB, VGA and Serial.
- ¹² Accessories and Integrated Options may vary depending on your notebook configuration. Not all items are currently available. Visit Panasonic website for more accessories and details.
- 13 P.180 is available only for 7th Gen CPU models. For more information about P.180, please visit. PanasonicP180.com.
- 14 Requires special order. Please contact a Panasonic representative for details





1.800.662.3537

na.panasonic.com/us/toughbook54