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, antenna pass-through, and insertable and contactless SmartCard CAC readers. It is the only laptop in its class to offer a rugged Fischer USB port, another feature that makes the Toughbook 54 one of the most versatile and advanced semi-rugged notebooks on the market.
SOFTWARE
- Panasonic Utilities (including Dashboard), Recovery Partition
- Enterprise-ready drive packages including CMB files and one-click driver bundles

DURABILITY
- MIL-STD-810G certified (3 drops, shock, vibration, sand, dust, altitude, high/low temperature, high/temperature tactical, temperature shock, humidity)
- IP5x certified
- Spill-resistant keyboard
- Magnesium alloy case with handle
- Storage drive heater
- Shock-mounted caged storage drive
- Quick-release removable battery and storage drive
- Dual fans (Performance model)
- Preinstalled replaceable screen film for LED (Glidewide Touch model)

OPERATING SYSTEM
- Windows® 10 Pro 64-bit
- Intel® Core™ i5-7300U vPro™ processor (7th Gen CPU)
- 2.6GHz with Turbo Boost up to 3.4GHz, 4MB cache
- Intel® Core™ i7-7600U vPro™ processor (7th Gen CPU)
- 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, upgradable
  - Performance model: 8GB or 16GB total (DDR4-2133MT/s)
  - Other models: 4GB, 8GB or 16GB total (DDR3L-1600MT/s)
- Storage Drive Shock-mounted with Heister (quick-release)
  - 500GB HDD (5400rpm Lite model), 256GB SSD other models
- Optional OptK, encrypted SSD
- 2nd Storage Drive with Heister (trained technician removable)
- 256GB 5120TB SSD

- Windows 10 Professional 64-bit downgrade (from Windows 10 CPU)
- Intel® Core™ i5-7300U vPro™ processor (7th Gen CPU)
- Core™ i5-7300U vPro™ processor (7th Gen CPU)
- Core™ i7-7600U vPro™ processor (7th Gen CPU)
- HD Graphics 520 (all models)
- Intel® HD Graphics 620 (all models)
- AMD Radeon® Pro WX 4150 (Performance model)
- Memory (RAM)
  - 2 slots, upgradable
  - Performance model: 8GB or 16GB total (DDR4-2133MT/s)
  - Other models: 4GB, 8GB or 16GB total (DDR3L-1600MT/s)
- Storage Drive Shock-mounted with Heister (quick-release)
  - 500GB HDD (5400rpm Lite model), 256GB SSD other models
- Optional OptK, encrypted SSD
- 2nd Storage Drive with Heister (trained technician removable)
- 256GB 5120TB SSD

DISPLAY
- Display Size and Resolution
  - Glidewide Multi Touch: 14.0” FHD 10: pt. capacitive 1920 x 1080 (1000 nit)
  - Performance model: 14.0” FHD 1920 x 1080
- Prime and Life models: 14.0” FHD 1366 x 768
- IPS 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 indicator
  - optional on 6th Gen CPU models, standard on all 7th Gen CPU models except Lite model

KEYBOARD & INPUT
- Glidewide Touch Multi Touch: Stylist pen, stylus holder and cleaning cloth are optional
- Glidewide Touch Multi Touch: Supports down modes and rain mode
- 2 user-definable keys (A1/A2)
- 87-key with dedicated Windows® key
- Emissive backlight keyboard with 4 adjustable levels
- Intel® Core™ i5-7300U and i7-7600U models, red backlight on 7th Gen CPU models
- Electrostatic touchpad with multi touch

DVD DRIVE
- Optional DVD Super Multi Drive

INTERFERENCE & EXPANSION
- Docking Connector
- USB 3.0 (3)
- Optional USB 2.0 (2)
- Optional Rugged Fischer® USB (Core Series) 3-gen
- SD card (SDHC)
- HDMI Type A
- HDMI
- VGA
- 10/100/1000 Ethernet RJ-45
- Audio In/Out
- Optional Serial (True) D-sub 9-pin
- Optional PC card
- Type II
- Mini-SIM
- ZIF

WIRELESS
- Opt. 4G LTE multi carrier mobile broadband w/ satellite GPS (LTE-Advanced on 7th Gen CPU models)
- Certified with Verizon, AT&T, Sprint and P180®
- Optional dedicated GPS (a-size NEDO-MIN)®
- Optional dual high-gain antenna pass-through
- Intel® Dual Band Wireless-AC 8260 Wi-Fi 802.11ac/g/n (8265 on 7th Gen CPU models)
- Bluetooth® 4.1 + EDR (Class 1)
- Side on/off switch

POWER
- Li-Ion battery pack
  - Lite model (lightweight battery): 10.8V, typical 3220mAh, min. 3050mAh
  - Other models: 11.7V, typical 4230mAh, min. 4080mAh
  - Media bay 2nd battery: 11.7V, typical 2760mAh, min. 2680mAh
- Battery operation
  - 7th Gen CPU models:
    - Lite model: 7 hours (16 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)
  - 6th Gen CPU models:
    - Lite model: 9 hours (16 hours with opt. 2nd battery)
    - Other models: 11 hours (18 hours with opt. 2nd battery)
- Fast charge: 80% charge in approx 1 hour
- AC Adapter: AC 100V-240V 50/60Hz, auto sensing/switching worldwide power supply

SECURITY FEATURES
- TPM v2.0 is available
- NIST BIOS compliant
- Persistence® technology by Absolute embedded in BIOS®
- Kensington cable lock slot
- Optional fingerprint reader®
- Optional contactless SmartCard CAC reader (bottom)
- Optional contactless SmartCard CAC reader (bottom)
- 13.54Mbit (ISO 15693 & 14443-A compliant)

WARRANTY
- 3 year limited warranty, parts and labor

DIMENSIONS & WEIGHT
- 10.7”L x 13.6”W x 1.2”H
- 4.4 lbs. (Lite model), 4.4 lbs. (Prime model)
- 4.6 lbs. (Performance and Glidewide Multi Touch models)

INTEGRATED OPTIONS
- 40 LTE multi carrier mobile broadband with satellite GPS
- Dual antenna pass-through

SELECT ACCESSORIES
- AC Adapter 100W (3-prong)
- Long Life Battery Pack
- Lightweight Battery Pack
- Media Bay 2nd Battery Pack
- Battery Charger
- LIND Charger 120W
- LIND Charger 120W (7th Gen CPU models)
- Memory Cards
  - 8GB DDR3L (7th Gen CPU models) CF-BAK100
  - 8GB DDR3L (7th Gen CPU models) CF-BAK100
  - 8GB DDR3L (7th Gen CPU models) CF-BAK100
- Gamber-Johnson or rugged Fischer USB
- Dedicated GPS (u-blox) or 2nd LAN or 4th USB (2.0) or rugged Fischer USB
- Vehicle Docks (no pass-through)
- Vehicle Docks (pass-through)
- Gamber-Johnson with LIND power supply
- Gamber-Johnson with LIND power supply
- Vehicle Docks with LIND power supply
- Vehicle Docks with LIND power supply

CONTACTS
- PanasonicP180.com.

Panasonic recommends Windows.