TOUGHBOOK 33

- First fully rugged product with a 3:2 screen for easier handling and better viewing of business applications
- 3x the resolution, 50% brighter and 15% larger display than any other device in its class
- Generation of vehicle dock backwards compatibility
- Available with Windows 10 Pro or Windows 7 Professional downgrade
- Infrared webcam and Windows Hello enables biometric user authentication
- Twin battery design enables hot-swap battery replacement for continuous use
- LTE-Advanced for faster speeds
- TPM 2.0 Security

ENGINEERED TO EQUIP THE EXTRAORDINARY.

The Panasonic Toughbook® 33 offers unparalleled flexibility in even the most demanding and extreme environments and is the world’s first fully rugged 2-in-1 PC with a 3:2 screen. Inspired by the increasing demands of mobile professionals, the Toughbook 33 delivers rugged mobility in a highly customizable package that also includes a generation of backward compatibility. Available accessories include two distinct vehicle docks for new deployments as well as an innovative vehicle dock adapter which allows drop-in placement onto any of Panasonic’s large installed base of Toughbook 31 vehicle docks, offering investment protection while saving time and resources. A wide range of integrated options such as serial port, barcode, fingerprint, insertable and contactless SmartCard CAC readers as well as a choice of two keyboards assure Toughbook 33 can be customized to meet the unique needs of a diverse customer base.

1.800.662.3537
us.panasonic.com/toughbook/33

Panasonic recommends Windows.
SOFTWARE
- Panasonic Utilities (including Dashboard), Recovery Partition
- Enterprise ready driver packages including CAB files and one-click driver bundles

DURABILITY
- MIL-STD-810G certified 4c drop - 5 tablet only, shock, bend, handling, vibration, rain, dust, sand, altitude, freeze/thaw, high/low temperature, temperature shock, solar radiation, salt fog, contamination by fluids, humidity, explosive atmosphere
- MIL-STD-6077B certified
- IP65 certified sealed all-weather design
- Magnesium alloy chassis anodized with ABS and elastomer edges
- Built-in dual purpose handle & kickstand (available on Premium Keyboard)
- Solid state drive heater
- Removable battery
- Removable storage drive
- Reinforced locking port covers
- Raised bezel for IZO impact protection
- Preinstalled replaceable screen film for LCD protection

CPU & OPERATING SYSTEM
- Windows® 10 Pro 64-bit
- Intel® Core™ i7-7600U vPro™ processor
  - 2.6GHz with Turbo Boost up to 3.4GHz, 4MB cache
  - 2.8GHz with Turbo Boost up to 3.9GHz, 4MB cache
- Windows® 10 Pro with Windows 7 Professional 64-bit downgrade
- Intel® Core™ i5-7300U vPro™ processor
  - 2.8GHz with Turbo Boost up to 3.9GHz, 4MB cache

STORAGE & MEMORY
- Factory installed 8GB or 16GB SDRAM (LLDPDR3 - 1866MT/s)
- 256GB or 512GB removable SSD with heater
- Optional OPAI encrypted SSD with heater

DISPLAY
- 12.0" x 3:2 HD 2160 x 1440
- 16-point capacitive glove multi touch + digitizer
- 2,160 nit
- Direct bonding
- Anti-reflection (AR) screen treatment
- Intel HD Graphics 620 on i5-6300U and i7-6600U models
- 256GB or 512GB removable SSD with heater

AUDIO
- Integrated dual array microphone
- Intel® High Definition Audio compliant
- Integrated speakers (front-facing)
- On-screen and button volume and mute controls

CAMERAS
- 1080p webcam with dual array mic and camera on/off indicator
- Infrared with Windows Hello support
- 8MP rear camera with autofocus and triple LED flash

KEYBOARD & INPUT
- Waterproof IP55 stylus pen with integrated stylus holder, tether and cleaning cloth
- Supports glove mode and rain mode
- Keyboard buttons (5 user-definable including A1/A2 buttons)
- On-screen QWERTY keyboard
- Optional keyboards (Lite and Premium) includes A1/A2 buttons
- Concealed mode (configurable)

INTERFACE & EXPANSION
- On the tablet:
  - Docking Connector
  - USB 3.0 x1 (optional 2nd USB 2.0)
  - MicroSDXC UHS-I
  - WiFi 802.11a/b/g/n/ac
  - Bluetooth® v4.1
  - Rear Camera
  - Audio In/Out
  - Nano-SIM
- On the Premium Keyboard:
  - Docking Connector
  - USB 3.6 x2, USB 2.0 x1
  - SDHC/SDXC
  - HDMI
  - VGA
  - RJ-45
  - 10/100/1000 Ethernet
  - Audio In/Out
  - 10-point capacitive glove multi touch with touchpad

WIRELESS
- Optional 4G LTE-Advanced multi carrier mobile broadband with satellite GPS
- Optional dedicated GPS (u-blox NEO-M8N)
- Dual high-gain antenna pass-through
- Intel® Dual Band Wireless-AC 9260 Wi-Fi: 802.11a/b/g/n/ac
- Bluetooth® v4.1 (Class 1) + EDR

POWER
- Hot-swappable twin Li-Ion battery packs
- Standard lightweight batteries: 11.1V, 1900mAh (each battery)
- Optional long-life batteries: 11.6V, 4100mAh (each battery)
- Battery operation: 12-1000U & 17-6600U models: 10 hours (20 hours with opt. long life batteries)
  - 5-6300U & 17-6600U models: 8 hours (16 hours with opt. long life batteries)
- Battery charging time: 3 hours (6 hours with parallel charging technology)
- AC Adapter: AC 100-240V 50/60Hz, auto sensing switching worldwide power supply

SECURITY FEATURES
- TPM v.2.0
- NIST Biometric compliant
- Persistence® technology by Absolute enabled in BIOS
- Kensington lock slot x2 (on tablet and Premium Keyboard)
- Optional fingerprint reader
- Optional insertable SmartCard CAC reader
- Optional contactless SmartCard CAC reader

WARRANTY
- 3-year limited warranty, parts and labor

DIMENSIONS & WEIGHT
- 12.3" (L) x 7.8" (W) x 0.8" (H)
- 6.1 lb

INTEGRATED OPTIONS
- 4G LTE-Advanced multi carrier mobile broadband with satellite GPS
- Dedicated GPS (u-blox NEO-M8N)
- Choice on tablet of 10/20 capable barcode reader (N6400, serial, true), or
- Choice on USB 2.0 port
- Choice on tablet of insertable SmartCard CAC, contactless SmartCard CAC or fingerprint reader

SELECT ACCESSORIES
- AC Adapter: 100W (7-1000U)
- Standard Lightweight Battery Pack
- Long Life Battery Pack
- Base USB 3.0 Type A
- USB 3.0 Type A (USB 3.0 is 1.5A)
- Dual Pass
- 4G LTE-Advanced multi carrier mobile broadband with satellite GPS
- Camera
- Optional 4G LTE-Advanced multi carrier mobile broadband with satellite GPS
- Bluetooth® v4.1 (Class 1) + EDR
- Intel® Dual Band Wireless-AC 8265 Wi-Fi
- Dual high-gain antenna pass-through
- Optional keyboards (Lite and Premium) includes A1/A2 buttons
- Waterproof IP55 stylus pen with integrated stylus holder, tether and cleaning cloth
- Supports glove mode and rain mode
- Keyboard buttons (5 user-definable including A1/A2 buttons)
- On-screen QWERTY keyboard
- Optional keyboards (Lite and Premium) includes A1/A2 buttons
- Concealed mode (configurable)
- On the tablet:
  - Docking Connector
  - USB 3.0 x1 (optional 2nd USB 2.0)
  - MicroSDXC UHS-I
  - WiFi 802.11a/b/g/n/ac
  - Bluetooth® v4.1
  - Rear Camera
  - Audio In/Out
  - Nano-SIM
- On the Premium Keyboard:
  - Docking Connector
  - USB 3.6 x2, USB 2.0 x1
  - SDHC/SDXC
  - HDMI
  - VGA
  - RJ-45
  - 10/100/1000 Ethernet
  - Audio In/Out
  - 10-point capacitive glove multi touch with touchpad

Please consult your reseller or Panasonic representative before purchasing.

1 As of May 2017 when comparing fully rugged 2-in-1’s laptops, convertibles, detachables and tablets with a 11.6"-12.0" display.
2 Requires training, approval and/or purchase of a SSD no return service sku through Panasonic, otherwise any damage incurred will be out of warranty and not eligible for advance exchange. Please contact a Panasonic representative for program details.
3 For G-7000U and G-7400U models only.
4 IP 41. IP 3X by default on 6-6300U and 7-6600U models, but can run IP 0 – see one Microsoft link for details. Support.micrsoft.com/en-us/protect-yourself/it-administrators-support-for-or-in-window7-and-windows-server-2008-r2.
5 Tested by national independent third party lab following MIL-STD-810G Method 516.6 Procedure IV for dust, sand, altitude, freeze/thaw, high/low temperature, temperature shock, solar radiation, salt fog, contamination by fluids, humidity, explosive atmosphere
6 Panasonic Utilities (including Dashboard), Recovery Partition
7 Preinstalled replaceable screen film for LCD protection
8 Dust, sand, altitude, freeze/thaw, high/low temperature, temperature shock
9 Total usable memory will be less depending upon actual system configuration.
10 Requires special order. Please contact a Panasonic representative for details.
11 As of May 2017 when comparing fully rugged 2-in-1’s laptops, convertibles, detachables and tablets with a 11.6"-12.0" display.
12 Barcode, Serial (true) and 2nd USB 2.0 Port are mutually exclusive.
13 Bluetooth, 4.1 capable > 1GB on i5-6600U and i7-6600U models
14 Dedicated GPS (u-blox NEO-M8N)
15 On the Premium Keyboard:
  - Hot-swappable twin Li-Ion battery packs
  - Standard lightweight batteries: 11.1V, 1900mAh (each battery)
  - Optional long-life batteries: 11.6V, 4100mAh (each battery)
  - Battery operation: 12-1000U & 17-6600U models: 10 hours (20 hours with opt. long life batteries)
  - 5-6300U & 17-6600U models: 8 hours (16 hours with opt. long life batteries)
  - Battery charging time: 3 hours (6 hours with parallel charging technology)
  - AC Adapter: AC 100-240V 50/60Hz, auto sensing switching worldwide power supply

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