TOUGHBOOK 33

- First fully rugged product with a 3:2 screen for easier handling and better viewing of business applications
- Generation of vehicle dock backwards compatibility
- Infrared webcam and Windows Hello enables biometric user authentication
- Optional quick-release SSD includes insertable smartcard CAC and long life batteries
- Twin battery design enables hot-swap battery replacement for continuous use
- Optional FirstNet Ready™ EM7511 Band 14 mobile broadband

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 innovative vehicle dock adapter 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 optional FirstNet Ready™ CF-33 EM7511 Band 14 mobile broadband assure TOUGHBOOK 33 can be customized to meet the unique needs of a diverse customer base.
Panasonic recommends Windows.

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 (4’ drop - 5’ tablet only, shock, bending, vibration, rain, dust, sand, altitude, freeze/thaw, high/low temperature, temperature shock, solar radiation, condensation by fluids, humidity, explosive atmosphere)
- MIL-STD-461F certified
- IP66 certified sealed all-weather design
- Magnesium alloy chassis encased with ABS and elastomer edges
- Built-in dual purpose handle & kickstand (avaliable on Premium Keyboard)
- Solid state drive
- Removable battery
- Optional Quick-release Storage drive or optional Quick-release storage drive
- Reinforced locking port covers
- Raised bezel for LCD impact protection
- Preinstalled replaceable screen film for LCD protection

CPU

- Intel® Core™ i7-7500U vPro® processor 2.7GHz with Turbo Boost up to 3.9GHz, 3MB cache
- Intel® Core™ i7-7600U vPro® processor 2.8GHz with Turbo Boost up to 3.9GHz, 4MB cache

STORAGE & MEMORY

- Factory installed 8GB or 16GB SDRAM (LPDDR3-1866Mhz)
- 256GB or 512GB removable SSD with heater
- Optional Quick-release SSD (comes with Insertable Smartcard CAC reader and long life batteries)
- Optional OPC encrypted SSD with heater

DISPLAY

- 12.0” 3:2 QHD 2160 x 1440
- 10-point capacitive gloved multi touch + digitizer
- 1200 cd
- Direct bonding
- Anti-reflective (AR) screen treatment
- Intel HD Graphics 640
- A monitor support with Premium Keyboard
- Enclosed mode (configurable)

AUDIO

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

CAMERAS

- 180° 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
- Tablet buttons (B-user definable including A1/A2 buttons)
- On-screen QWERTY keyboard
- Optional keyboards (Lite and Premium)
- Emissive red backlit with 4 adjustable levels
- 87 key with dedicated Windows key
- Pressure-sensitive touchpad with multi touch

INTERFACE & EXPANSION

- On the tablet:
  - Docking Connector
  - USB 3.0 (1 optional 2nd USB 2.0)
  - HDMI
  - MicroSDXC
  - SDXC
  - Audio In/Out
  - Nano SIM
- On the Premium Keyboard:
  - Docking Connector
  - USB 3.0 x2, USB 2.0 x1
  - SDXC
  - HDMI
  - Audio In/Out
  - VGA
  - 10/100/1000 Ethernet
  - Serial (USB)

WIRELESS

- Optional 4G LTE Advanced multi carrier mobile broadband with satellite GPS
- Certified with AT&T Next?, Verizon, Sprint and P180
- Optional dedicated GPS (u-blox NEO-M8N)
- Dual high-gain antenna pass-through
- Intel® Dual Band Wireless-AC 8265 W-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, 1990mAh (each battery)
- Optional long life batteries: 11.1V, 4100mAh (each battery)
- Battery operation: 10 hours 50% with opt. long life batteries
- Battery charging time: 3 hours (with in parallel charging technology)
- AC Adapter: AC 100V-240V 50/60Hz, auto-sensing/switching worldwide power supply

SECURITY FEATURES

- TPM v2.0
- NIST BiOS compliant
- Persistence® technology by Absolute embedded in BIOS
- Kensington cable lock slots 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

- 12.0” [L] x 11.4” [W] x 1.8” [H]
- 6.1 lbs.

HAZARDous LOCAtOnS CERTIFICATION

- AN/USA1-12-01-2013
- Class I Div 2, groups ABCD certified model

INTEGRATED OPTIONS

- 4G LTE multi-carrier mobile broadband with satellite GPS (EM7455 or Band 14 EMT51)
- Dedicated GPS (u-blox NEO-M8N)
- Choice on tablet of 10/20 capable barcode reader (NA030), serial (true), or second USB 2.0 port
- Choice of insertable Smartcard CAC, contactless Smartcard CAC, fingerprint reader or quick-release SSD (comes with insertable Smartcard CAC and long life batteries)

SELECT ACCESSORIES

- AC Adapter 100W (prong) CF-AAT731AM
- Standard Lightweight Battery Pack CF-VSZ11AW
- Long Life Battery Pack CF-VSG11BW
- 4-Bay Battery Charger CF-VBG131M
- LIND Car Charger 120W CF-LNDC120
- LIND Solar Charge System
- Toughmate Modesty Bundle with handle & shoulder strap
- Quick-Connect Rotating Hand Strap with shoulder strap
- Quick-Connect Rotating Straps with handle & kickstand
- Carry Strap
- Shoulder Strap
- Laptop Desktop Dock (requires Premium Keyboard)
- Laptop Dock (requires Premium Keyboard)
- Laptop 2-in-1 Vehicle Docks (requires Premium Keyboard)
- Gamber Johnson (Dual RF)
- Navis (Dual RF)
- Tablet Lite Vehicle Dock CF-33-TVD2-L
- Table Lite docking CF-33-TVD2-L
- 31 Vehicle Dock Adapter (VDA) with Lite Keyboard
- Single Pass
- Dual Pass
- Life Keyboard
- Lite Keyboard
- Premium Keyboard
- Antenna Plus Dual LTE & GPS antenna kit
- Touchscreen Whiteboard
- Multi Touch + Digitizer IP55 Stylus CF-VNP023U
- Teether
- 12.0” LCD Protector Film

Please consult your reseller or Panasonic representative before purchasing.

1 Panasonic recommends Windows.
2 Tested by national independent third party lab following MIL-STD-810G Method 516.6 Procedure IV for transit drop test and IEC 60529 Sections 13.4, 13.6.2, 14.2.5 and 14.3 for IP . IP rating requires both batteries in tablet.
3 Panasonic representative for program details.
4 Tested by independent third party lab following MIL-STD-810G Method 516.1 Procedure W for transit drop and IEC 60529 Sections 13.4, 13.6.2, 14.2.5 and 14.3 for IP . IP rating requires both batteries in tablet.
5 On the tablet of insertable SmartCard CAC, contactless SmartCard and long life batteries)
6 Optional Quick-release SSD (comes with Insertable Smartcard CAC reader and long life batteries) adds a bump out which increases overall length by 6.1” and weight by 1.3 lbs. products are in convertible mode. Not compatible with Tablet Lite Vehicle Dock or rotating hand strap or shoulder strap.
7 CF-VNK331M
8 CF-VNK31T1
9 CF-VNK3131
10 Battery 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, application features, power management, battery conditioning and other customer preferences. Battery testing results from MobileMark 2014 at 150 nit and using no cellular mobile broadband.
11 Optional-Battery Pack
12 Insertable SmartCard CAC, contactless SmartCard CAC, fingerprint reader or quick-release SSD (comes with insertable Smartcard CAC and long life batteries)
13 Panasonic recommends Windows.
14 Includes tablet and Premium Keyboard. Tablet with Lite Keyboard is 4.8 lbs. Tablet when detached is 3.4 lbs.
15 CF-VNK3131
16 CF-VNK31T1
17 CF-VNK3131
18 CF-VNK31T1
19 CF-VNK3131
20 CF-VNK31T1
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22 CF-VNK31T1
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34 CF-VNK31T1