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™ EM7511 Band 14 mobile broadband assure TOUGHBOOK 33 can be customized to meet the unique needs of a diverse customer base.

Panasonic recommends Windows.

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
Panasonic recommends Windows.

SOFTWARE
- Windows® 10 Pro 44-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, shock, solar radiation, contamination by fluids, humidity, explosive atmospheres)
- MIL-STD-469F certified
- IP65 certified sealed against weather design
- Magnesium alloy chassis encased with ABS and elastomer edges
- Built-in dual purpose handle & kickstand (available on Premium Keyboard)
- Solid state drive design
- Removable battery
- Removable 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
- 7th Gen Core™ i5 or i7 processor
- Intel® Core™ i7-7600U vPro™ processor
- Intel® Core™ i5-7300U vPro™ processor
- 6th Gen Core™ i5 or i7 processor
- Intel® Core™ i5-6300U or i7-6600U processor
- Intel® Core™ i7-7600U processor
- Turbo Boost up to 3.5GHz, 3MB cache
- Turbo Boost up to 3.5GHz, 4MB cache
- Turbo Boost up to 3.4GHz, 4MB cache
- Turbo Boost up to 3.4GHz, 4MB cache
- 2.8GHz with Turbo Boost up to 3.9GHz, 4MB cache

STORAGE & MEMORY
- Factory installed 8GB or 16GB SDRAM (LPDDR3-1866MT/s)
- 256GB or 512GB removable SSD with heater
- Optional quick-release SSD (comes with Insertable SmartCard CAC reader and long life batteries)
- Optional OAPL encrypted SSD with heater

DISPLAY
- 12.0” 3:2 QHD 2160 x 1440
- 1280 x 800 NT
- Direct bonding
- Anti-reflection/AR screen treatment
- Intel HD Graphics on 6th Gen CPU models
- 6th Gen Processor with Premium (with Battery)
- Concealed mode (configurable)

AUDIO
- Integrated dual microphone array
- Intel® HD Audio and Premium (with Battery)
- On-screen QWERTY keyboard

CAMERAS
- 1080p webcam with dual array mic and camera on/off indicator
- Infrared with Windows Hello support
- IR 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
- 7 tablet buttons (user-definable including A1/A2 buttons)
- On-screen multi-touch keyboard
- Optional keyboards (Life and Premium)
- Embraces thin bezel for 4 adjustable levels
- Backlighting for dark/low light environments

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

WIRELESS
- Optional 4G LTE-Advanced multi carrier mobile broadband with satellite GPS
- Certified with AT&T, FirstNet™, Verizon, Sprint and P181
- Optional dedicated GPS (u-blox NEO-M8N)
- Dual band WiFi (802.11a/b/g/n/ac)
- Bluetooth®4.1, Class 1
- EDGE

POWER
- Hot-swappable twin Li-ion battery packs
- Standard lightweight batteries: 11.1V, 1990mAh (each battery)
- Optional long life batteries: 11.1V, 4240mAh (each battery)
- Battery operation:
  - 7th Gen CPU models: 10 hours 12 hours with opt. long life batteries
  - 6th Gen CPU models: 10 hours 14 hours with long life battery
- Battery charging time: 3 hours with optional fast charging technology
- AC Adapter:
  - AC 100V~240V 50/60Hz, auto sensing switching worldwide power supply

SECURITY FEATURES
- TPM 2.0
- NIST Biometric 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 reader

WARRANTY
- 3-year limited warranty, parts and labor

DIMENSIONS & WEIGHT
- 12.3” (L) x 11.4” (W) x 1.8” (H)
- 6.1 lbs.

HAZARDOUS LOCATION CERTIFICATIONS
- ATEX (12.1” Lite) and 12.3”
- Optional class I division 2, groups ABCD certified model

INTEGRATED OPTIONS
- 4G LTE multi-carrier mobile broadband with satellite GPS (ETM455 or Band 14 EMT211)
- Dedicated GPS (u-blox NEO-M8N)
- Choice on tablet of 10/20 or barcode reader (NA03X, serial, true), or second USB 2.0 port
- Choice on tablet 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 (1-prong)
- Standard Lightweight Battery Pack
- Life Battery Pack
- 4-Bay Battery Charger
- USB Charge Card 120W
- LIND Solar Charge System
- Toughmate Security Bundle with handle & shoulder strap
- Kensington Locking Kit
- Desktop Dock (requires Premium Keyboard)
- Laptop 2-in-1 Vehicle Dock (requires Premium Keyboard)
- Dedicated GPS (u-blox NEO-M8N)
- Optional 4G LTE-Advanced multi carrier mobile broadband with satellite GPS

INTEGRATED OPTIONS
- On the Premium Keyboard:
  - Intel® Core™ i5 or i7 processor
  - Intel® Core™ i7-7600U processor
  - Intel® Core™ i5-7300U processor
  - Intel® Core™ i7-6600U processor
  - Intel® Core™ i5-6300U processor

INTEGRATED OPTIONS
- On the tablet:
  - Intel® Core™ i5-7300U processor
  - Intel® Core™ i5-6300U processor
  - Intel® Core™ i7-6600U processor
  - Intel® Core™ i7-7600U processor
  - Turbo Boost up to 3.5GHz, 3MB cache

INTEGRATED OPTIONS
- Factory installed 8GB or 16GB SDRAM (LPDDR3-1866MT/s)
- 256GB or 512GB removable SSD with heater

INTEGRATED OPTIONS
- Optional quick-release SSD (comes with Insertable SmartCard CAC reader and long life batteries)

INTEGRATED OPTIONS
- Optional OAPL encrypted SSD with heater

INTEGRATED OPTIONS
- 2.8GHz with Turbo Boost up to 3.4GHz, 3MB cache

INTEGRATED OPTIONS
- Select accessories (comes with Insertable SmartCard reader and long life batteries)

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