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 compatibility². 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
na.panasonic.com/us/toughbook33
TOUGHBOOK 33

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, bend handling, vibration, rain, dust, sand, altitude, freeze/thaw, high/low temperature, temperature shock, solar radiation, contamination by fluids, humidity, explosive atmosphere
- MIL-STD-461F certified
- IP65 certified sealed all-weather design
- Magnesium alloy chassis encased 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 LCD impact protection
- Preinstalled replaceable screen film for LCD protection

CPU & OPERATING SYSTEM
- 7th Gen CPU models:
  - Intel® Core™ i7-6600U vPro™ processor
  - 2.4GHz with Turbo Boost up to 3.5GHz, 3MB cache
  - Intel® Core™ i5-6300U vPro™ processor
  - 2.4GHz with Turbo Boost up to 3.1GHz, 3MB cache
- 6th Gen CPU models:
  - Intel® Core™ i7-6600U vPro™ processor
  - 2.4GHz with Turbo Boost up to 3.5GHz, 3MB cache
  - Intel® Core™ i5-6600U vPro™ processor
  - 2.6GHz with Turbo Boost up to 3.3GHz, 3MB cache

STORAGE & MEMORY
- Factory installed 8GB or 16GB SDRAM (LPDDR3 - 1866MHz)
- Optional 256GB or 512GB removable SSD with heater
- Optional OPAL encrypted SSD with heater

DISPLAY
- 12.0" 3.2 HD 2160 x 1440
- 1920nit
- Direct bonding
- Anti-reflective [AR] screen treatment
- Intel HD Graphics 620 (921 on 6th Gen CPU models)
- 4 monitor support (with Premium Keyboard)
- Concealed mode (configurable)

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

Cameras
- 1080p webcam with dual arc 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
- 7 tablet buttons (5 user-definable including Alt/2 buttons)
- On-screen QWERTY keyboard
- Optional keyboards, (life and Premium)
- Emissive red backlit with 4 adjustable levels
- B-key with dedicated Windows® key
- Pressure-sensitive touchscreen with multichip touchpad

Interface & Expansion
- On the tablet:
  - Docking Connector
  - USB 3.0 x1 optional 2nd USB 2.011
  - MicroSD
  - HDMI
  - 10/100/1000 Ethernet
  - Optional Serial [True]12
  - 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
  - Optional Serial [True]

Wireless
- Optional 4G LTE advanced multi-carrier mobile broadband with satellite GPS
- Certified with Vergeo, Airtel, Sprint and P-180012
- Optional dedicated GPS (u-blox NEO MINI)
- Dual high-gain antenna pass-through
- Intel® Dual Band Wireless-AC 8265 Wi-Fi 802.11a/b/g/n/ac
- Bluetooth® 5.0 (v 1.1) + EDR + LE

Power
- Hot-swappable twin Li-Ion battery packs
- Standard lightweight batteries: 11.1V, 1900mAh (each battery)
- Optional long life batteries: 11.1V, 4700mAh (each battery)
- Battery operation:
  - 7th Gen CPU models: 10 hours (3 hours with opt. long life batteries)12
  - 6th Gen CPU models: 10 hours (4 hours with opt. long life batteries)
- Battery charging time: 3 hours (with in parallel charging technology)12
- AC Adapter: AC 100V 240V 50/60Hz, auto sensing/switching worldwide power supply

Security Features
- TPM v2.0
- NIST Biometric
- Persistence® technology by Absolute embedded 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" x 7.6" x 0.9" (31.8 x 19.8 x 2.3 cm)13
- 6.1 lbs.14

Hazardous Location Certifications
- ATEX/IECEx 2,1/03 – Optional Class I Division 2, groups A/B/C/D or E/F/G certified model

Integrated Options15
- 4G LTE-Advanced multi carrier mobile broadband with satellite GPS
- Dedicated GPS (u-blox NEO-MINI)
- Choice on tablet of 1/2D capable barcode reader (N6603), serial (true), or second USB 2.0 port
- Choice on tablet of insertable SmartCard CAC, contactless SmartCard CAC or fingerprint reader

Select Accessories
- Intel® Core™ i7-6600U vPro™ processor
- Standard Lightweight Battery Pack
- Life Battery Pack
- 6th Gen CPU only: 4-Bay Battery Charger
- LIND Car Charger 120W
- LIND Solar Charge System
- ToughMate ComUniversal Jr. Carrying Case
- ToughMate Backpack
- Rugged Hand Strap with stylus holder & kickstand
- Carry Strap
- Shoulder Strap
- Desktop Dock (requires Premium Keyboard)
- Laptop 2-in-1 Vehicle Dock (requires Premium Keyboard)
- Gamber-Johnson (dual RF)
- Havis (dual RF)
- Samsung Active Dock (VESA)
- Gamber-Johnson (dual RF)
- Havis (dual RF)
- 31 Vehicle Dock Adapter (VDA) with Lite Keyboard
- Dual Pass
- Lite Keyboard
- Premium Keyboard
- Premium Keyboard
- AntennaPlus Dual LTE & GPS Antenna Kit
- 10-point capacitive gloved multi touch + digitizer
- Multi Touch + Digitizer IP55 Stylus
- Optional contactless SmartCard CAC, contactless SmartCard CAC, or fingerprint reader

Select Accessories
- On the Premium Keyboard:
  - Havis (dual RF)
  - Gamber-Johnson (dual RF)
  - Havis (dual RF)
  - Samsung Active Dock (VESA)
- Tested by national independent third party lab following MIL-ST-810G Method 516 Procedure F for transit drop test and MIL-STD-6065 Sections 13A, 13B, 13C, 14 and 43.4.3 for IP.
- 14 drops for each battery in tablet and transformer in a 4" drop test.
- 7th Gen CPU models: 10 hours (20 hours with opt. long life batteries)14
- Intel® Core™ i5-6300U vPro™ processor

- Bases, Serial (true) and 2nd USB 2.0 port are mutually exclusive.
- Bluetooth 4.0 (Eddystone) on 6th Gen CPU models.
- Long Life Batteries increase the overall weight by 4.4 lbs and prohibits use in convertible mode. Not compatible with 33 Tablet Vehicle Dock when using tablet with Long Life Batteries and CF-VST32U.
- Battery performance features such as charge time and life 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 custom battery settings. Battery testing results from MobileMark 2146 as a bench test.
- Requires software and activation to enable theft protection.
- Insertable SmartCard CAC, Contactless SmartCard CAC, and Fingerprint Readers are mutually exclusive.
- Includes tablet and Premium Keyboard, tablet with Keyboard is 10.1" x 6.3" x 0.6" (256 x 160 x 16 mm)
- Tablet when detached is 3.1 lbs.
- Includes tablet and Premium Keyboard, tablet with Keyboard is 6.1 lbs.

Support
- For more information about 3188, please visit, Panasonic@FIRE.com.