First fully rugged product with a 3:2 screen for easier handling and better viewing of business applications

Optional i7-1270P processor with 12-cores of computing power

Infrared webcam and Windows Hello enables biometric user authentication

Optional quick-release SSD includes insertable Smart Card and long life batteries

Twin battery design enables hot-swap battery replacement for continuous use

12" TABLET EASILY CONVERTS TO A LAPTOP WITH OPTIONAL KEYBOARD.

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 compatibility¹. It has an optional i7-1270P processor that delivers an amazing 12 cores of computing power. A wide range of integrated options such as serial port, barcode, fingerprint, insertable and contactless Smart Card readers assure TOUGHBOOK 33 can be customized to meet the unique needs of a diverse customer base.

¹Note: For compatibility purposes, the TOUGHBOOK 33 operates as a rugged tablet only.
TOUGHBOOK 33

SOFTWARE
• Windows® 11 Pro
• Panasonic Utilities and Recovery Partition
• Enterprise ready driver packages including CAB files and one-click driver bundles
• CORE Asset Management

CERTIFICATIONS & DURABILITY
• MIL-STD-810H: 4’ drop (5 tablet only) shock, bench/handle vibration, rain, dust, sand, altitude, freezes/thaws, high/low-temperature, temperature shock, solar radiation, contamination by fluids, humidity, explosive atmosphere
• MIL-STD-461F
• IP65
• Optional C1D2 (class 1 div 2) groups ABCD

• Magnesium alloy chassis encased with ABS and elastomer edges
• Handle/Kickstand (on opt. Premium Keyboard)
• SSD heater, removable SSD or optional quick-release caged SSD
• Removable battery
• Raised bezel for LCD impact protection
• Reinforced locking port covers
• Replaceable screen protector

CPU
• Intel® Core™ i5-1245U vPro® 10-core processor
  - 1.6GHz with Turbo Boost up to 4.4GHz, 12MB cache
• Intel® Core™ i7-1270P vPro® 12-core processor
  - 2.2GHz with Turbo Boost up to 4.8GHz, 16MB cache

STORAGE & MEMORY
• Factory installed 16GB or 32GB RAM (LPDDR4x-4266MHz)
• 512GB or 1TB removable OPAL NVMe SSD with heater

• Optional quick-release SSD (comes with insertable Smart Card reader and long life batteries)

DISPLAY & GRAPHICS
• Display
  - 12.1” 3:2 QHD 2160 x 1440
  - Capacitive-gloved touch • digitizer
  - 3-2000 nit
  - Direct Bonding
  - Anti-reflective (AR) screen treatment

• Graphics
  - Intel® Iris® Xe Graphics
  - Supports up to 4 displays
  - Concealed Mode: Day/Night Mode

AUDIO
• Integrated dual array microphone
• Intel® High Definition Audio compliant

CAMERAS
• 2MP (1080p) webcam w/privacy cover & dual array mic
  - Infrared with Windows Hello support

KEYBOARD & INPUT
• 6 button digitizer pen (right click & erase),
• 2 button digitizer pen (right click & erase)

• On the optional Premium Keyboard:
  - 4G MLP31-W modem
  - Dedicated GPS (u-blox NEO-M8)
  - Choice of 10/20 capable barcode reader (NE603SR, serial, or 2nd USB-A port), or MicroSD
  - Optional contactless Smart Card reader

• 3.4 lbs. (6.2 lbs. with optional Premium Keyboard)

POWER
• 12.1” 9.6” x 9” (12.1” x 11.4” x 1.8”) with optional Premium Keyboard
• Battery charging time: 3 hours
  - (with parallel charging technology) l
• AC Adapter: AC 100V 240V worldwide power, auto-sensing/switching

SECURITY FEATURES
• Intel® Hardware Shield
• Secured-core PC
• TPM v.2.0
• NIST BIOS compliant
• Persistence technology by Absolute in BIOS
• Kensington cable lock slots x2 (on tablet and optional Premium Keyboard)

WARRANTY
• 3-year limited warranty, parts and labor

INTEGRATED OPTIONS
• 4G MLP31-W modem
• Dedicated GPS (u-blox NEO-M8)
• Choice of 10/20 capable barcode reader
• Bluetooth® v5.1 (Class 1)

Please consult your reseller or Panasonic representative to learn more about the TOUGHBOOK 33 and the wide variety of accessories and services offered.

1 Requires purchase of 11 Vehicle Dock Adapter (VDA), VDA has been tested and approved to work with Gamber-Johnson 7160-0318 and Havis PAN-111/112 vehicle docks. Do not use with other vehicle docks without consulting first with your Panasonic representative.

2 Base model tested by national independent third party lab following MIL-STD-810H Method 516.8 Procedure IV for transit drop test and IEC 60529 Sections 13.4, 13.6.2, 14.2.5 and 14.5 for IP rating, requires both batteries in tablet. 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 exchange advance. Please contact a Panasonic representative for program details.

3 Requires purchase of 31 Vehicle Dock Adapter (VDA). VDA has been tested and approved to work with Gamber-Johnson CF-33 Tablet Vehicle Dock when using a rotating hand strap. For units originally ordered with standard batteries, changing to long life batteries requires a hardware retrofit to the unit. Contact the Panasonic National Service Center for additional information.

4 Intel® Wi-Fi 6E AX211 (up to 2.4 Gbps)

5 Bluetooth® v5.1 (Class 1)

6 Battery charging time: 3 hours

7 MobileMark 2014 battery life results is 10 hours (20 with optional long life batteries) tested at 150 nit, connected to Wi-Fi with minimum performance. Battery test results from MobileMark 25 at 250 mAh, connected to Wi-Fi and using the Office Productivity and Creativity scenarios.

8 Bluetooth® v5.1 (Class 1)

9 3.4 lbs. (6.2 lbs. with optional Premium Keyboard)

10 100° angle.

11 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, applications, features, power management, battery conditioning and other customer preferences. Battery test results from MobileMark 25 at 250 mAh, connected to Wi-Fi and using the Office Productivity and Creativity scenarios.

12 Battery charging time: 3 hours

13 3-year limited warranty, parts and labor

14 Please consult your reseller or Panasonic representative to learn more about the TOUGHBOOK 33 and the wide variety of accessories and services offered.