

Panasonic  
CONNECT



# Beat the odds.

With TOUGHBOOK  
the only option missing is failure.

intel®

TOUGHBOOK

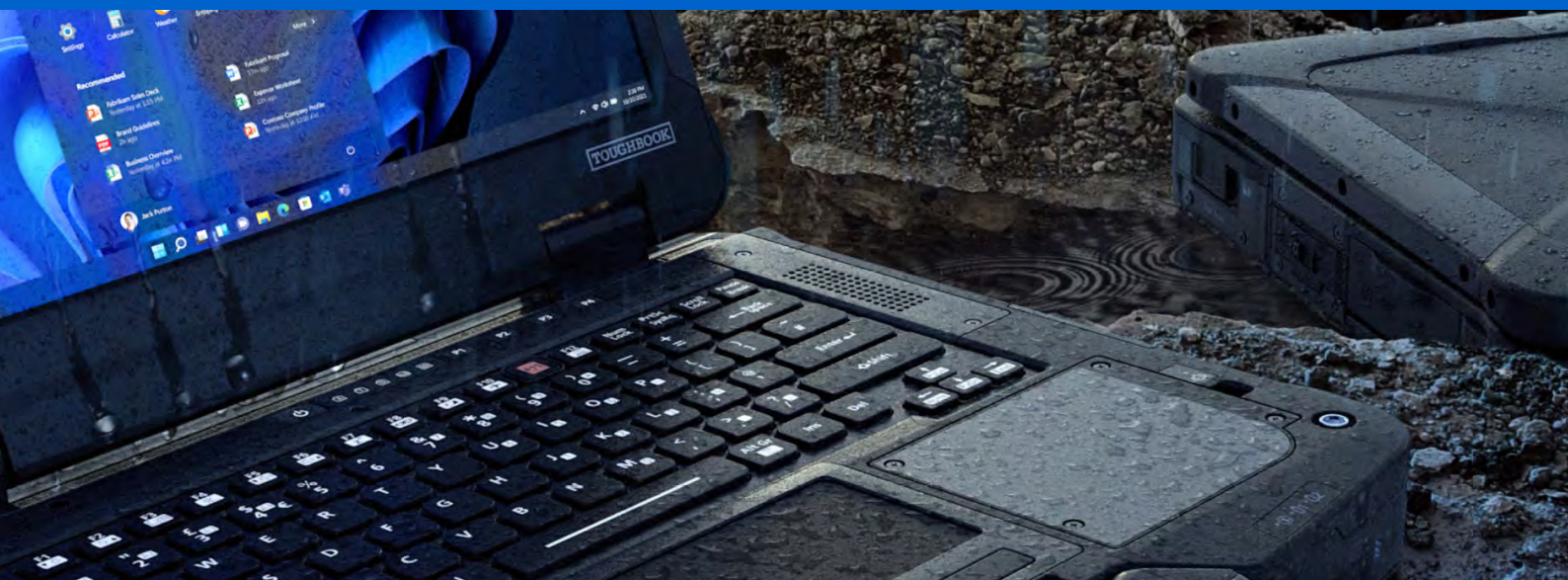


# About **TOUGHBOOK**

## Whatever's in your way, it won't be our technology

### World leader in rugged laptops & tablets

Embark on a new era of field mobility with Panasonic TOUGHBOOK, the world's leading rugged computing brand renowned for its robust and reliable rugged laptops and tablets. Engineered to thrive in the harshest conditions, TOUGHBOOK redefines what's possible in mobile computing.



We're here with you for the long haul

#### An enduring rugged computing heritage

Over the last few decades there have been huge developments in the world of mobile computing. As we trace the history back to the dawn of rugged computing, 1996 saw the release of the world's first fully rugged TOUGHBOOK, and still stands as a testament to the highest levels of innovation and durability. The TOUGHBOOK brand has evolved over time to become a symbol of resilience and dependability.

Designed to work anywhere, anytime

#### Purpose built engineering at the heart of every TOUGHBOOK

Since the outset, Panasonic TOUGHBOOK has led the way in making sure your teams can work anywhere, anytime. Drawing inspiration from Panasonic's unwavering commitment to quality, each TOUGHBOOK is a result of meticulous engineering, extensive testing, and a dedication to providing technology that endures.

Engineered for industry specialists

#### Capable to work within any environment & industry

Providing the perfect balance between rugged durability, performance, and configurability, TOUGHBOOK is truly rugged from the inside out, so is comfortable being the workhorse when docked in one of our specialist vehicle mounts, through to getting constant bumps, knocks, and drops from those on the frontline. The TOUGHBOOK range is comprised of the industry's most secure Windows laptops, modular 2-in-1 notebooks and the toughest tablets on earth.

# When it's time to get TOUGH



#### Reliability & Durability

Fully rugged devices are engineered for up to IP66 resistance to dust, humidity and water, MIL-STD 810H certifications for drops, shock, vibrations, pressure and temperature, and MIL-STD 461F certification against electromagnetic interference. TOUGHBOOK devices are supported with a minimum 3 year warranty, with 4 or 5 year support options.



#### Vehicle Mounting

The range of Panasonic TOUGHBOOK devices feature specialised vehicle mounts to stay connected to power and applications on the move. Optional Dual Pass Through functionality supports vehicle mounted antennas to connect more effectively, in more places, more often.



#### Security

All TOUGHBOOK devices are certified as Microsoft Secured-core PCs, and include unique features dedicated to enterprise level security including Intel® Core™ vPro® processor and NVMe OPAL SSD drives.



#### Modular Design

The new generation of TOUGHBOOK devices are built around a unique modular design, featuring multiple user replaceable expansion areas including memory, storage, optical drives, authentication readers, additional inputs/outputs, long life batteries and specialised keyboards.



#### Display Technology

Field productivity demands high brightness displays, low screen reflection, the latest IPS technology, extra-wide viewing angles and high-contrast ratios. All models also feature multi finger touchscreens, which can be used in the rain, in extreme temperatures or while wearing gloves, delivering more productive all-weather performance.



#### Connectivity

TOUGHBOOK devices are purpose built for field connectivity, with configuration options including 5G/4G LTE, Dual Pass Through capabilities, WLAN, Bluetooth, GPS, USB, LAN, Serial and HDMI.



#### Extended Battery Performance

Long standard battery life, optional high-capacity batteries and hot swap capabilities mean your Panasonic TOUGHBOOK devices are ready when you are.

\*Features vary by model. Please check product brochures and spec sheets at [www.panasonic.com.au/toughbook](http://www.panasonic.com.au/toughbook)

Learn more about the TOUGHBOOK range of devices, software, and services.





# A focused and flexible range

# TOUGHBOOK



## Maximum Mobility

10.1" Fully Rugged Tablet

### TOUGHBOOK G2

Our most popular rugged device, the TOUGHBOOK G2, has been designed to evolve and adapt to your needs, providing maximum mobility and usability in the field. Outstanding in all areas, the G2 incorporates a lightweight, portable yet robust chassis, combined with best in class PC performance and user configuration.

- Windows 11 Pro, Intel Core vPro™
- 10.1" multi touch 1920 x 1200 (WUXGA) display
- Multiple user changeable expansion options, including optional backlit keyboard



## Two Parts. One Story.

12.0" Fully Rugged 2-in-1 Detachable Laptop PC

### TOUGHBOOK 33

Offering the best of both worlds, our 2-in-1 Windows PC is just as comfortable being a fully rugged laptop as it is a portable tablet device. With multiple usage modes, hot swappable twin batteries and removable backlit keyboard the TOUGHBOOK 33 is as versatile as your job demands.

- Windows 11 Pro, Intel Core vPro™
- 12.0" multi touch 2160 x 1440 (QHD) display
- Multiple usage modes with hot swap batteries and detachable keyboard

## Ultimate Customisation

14.0" Fully Rugged Laptop PC

### TOUGHBOOK 40

Our toughest TOUGHBOOK ever makes no compromises when it comes to strength, reliability, and durable design. With 8 user interchangeable modular areas including unique modular expansion packs, the TOUGHBOOK 40 is our most flexible and customisable laptop ever.

- Windows 11 Pro, Intel Core vPro™
- 14.0" multi touch 1920 x 1080 (FHD) display
- 8 user changeable modular areas with more than 20 expansion options



## Make It Your Own

14.0" Rugged Laptop PC

### TOUGHBOOK 55

Our first TOUGHBOOK to incorporate the universal bay and self configurable options makes the TOUGHBOOK 55 easier to customise to suit multiple job roles and business needs as they change. Although this rugged laptop is a more affordable option within the range, it doesn't compromise on essential features such as device security, outdoor usability, and long term reliability.

- Windows 11 Pro, Intel Core vPro™
- 14.0" HD or Full HD display with optional multi touchscreen
- Multiple user changeable expansion options, including quick release SSD storage





# The Windows TOUGHBOOK Family

Panasonic recommends  Windows 11

Fully Rugged Windows Tablet  
**TOUGHBOOK G2 mk2**



Fully Rugged Windows Laptop PC  
**TOUGHBOOK 40 mk1**



Fully Rugged Windows 2-in-1 PC  
**TOUGHBOOK 33 mk3**



Rugged Windows Laptop PC  
**TOUGHBOOK 55 mk2**



Operating System	Windows 11 Pro	Windows 11 Pro	Windows 11 Pro	Windows 11 Pro
Processor	Intel® Core™ i5 1245U vPro™	Intel® Core™ i5 1145G7 vPro™	Intel® Core™ i5 1245U vPro™	Intel® Core™ i5 1145G7 vPro™
Display & Resolution	10.1" WUXGA 1920 x 1200	14.0" Full HD 1920 x 1080	12.0" QHD 2160 x 1440	14.0" HD (1366 x 768) or Full HD (1920 x 1080)
Display Brightness	1000 cd/m²	1200 cd/m²	1200 cd/m²	1000 cd/m²
Display Features	Glove Touch, Rain Mode, IP55 Digitiser Stylus	Glove Touch, Rain Mode, Capacitive Stylus	Glove Touch, Rain Mode, IP55 Digitiser Stylus	Optional Capacitive Touchscreen with Glove Touch & Rain Mode
Memory (RAM)	16GB	16GB	16GB	8GB
Storage (SSD)	512GB OPAL NVMe (optional 1TB or 2TB Quick Release SSD)	512GB OPAL NVMe (optional 1TB or 2TB SSD)	512GB SSD OPAL NVMe (optional 1TB SSD)	256GB SSD
Battery Life (Standard)	7.5 Hours **	18 Hours *	7 Hours (Tablet) / 6.5 Hours (with Keyboard Base) **	19 Hours *
Battery Life (Optional)	12 Hours (Large Battery) **	36 Hours (2nd Battery) *	14 Hours (Tablet) / 14.5 Hours (with Keyboard Base) ** (Large Battery)	38 Hours (2nd battery) *
Hot Swappable Battery	Optional	Optional (with 2nd battery)	Yes	Optional ( with 2nd battery)
Camera	8MP Rear Camera with LED flash 2MP Front Camera with IR	5MP Front Camera with IR	8MP Rear Camera with LED flash 2MP Front Camera with IR	Optional 2MP Front Camera
Rugged Testing	MIL-STD 810H, IP65, 1.8m drop, -29°C to +63°C Operating Temp	MIL-STD 810H, IP66, 1.8m drop, -29°C to +63°C Operating Temp	MIL-STD 810H, IP65, 1.5m drop, -29°C to +63°C Operating Temp	IP53, 90cm drop, -29°C to +60°C Operating Temp
Dimensions	279mm x 188mm x 23.5mm	354mm x 301mm x 54.5mm	308mm x 243.6mm x 21.6mm (Tablet only) 313mm x 288.4mm x 46.1 (Tablet + Keyboard)	345mm x 272mm x 32.8mm
Weight	1.19kg	3.35Kg	1.55kg (Tablet only) / 2.81Kg (Tablet + Keyboard)	2.08Kg to 2.22Kg depending on configuration
Factory Configurable Options	Intel Core i7 vPro, 32GB RAM, 5G / 4G LTE, GPS, Dual Pass, Quick Release SSD	Intel Core i7 vPro, 4G LTE, GPS, Dual Pass	Intel Core i7 vPro, 32GB RAM, 4G LTE, GPS, Dual Pass, Barcode Reader, 2nd USB 2.0, Micro SD, True Serial, Smartcard Reader, Fingerprint Reader, NFC	Intel Core i7 vPro, 4G LTE, GPS, Dual Pass, Nano SIM, Front Camera with microphones
User Configurable Options	<ul style="list-style-type: none"><li>■ 1TB/2TB Removable OPAL SSD (quick release SSD model only)</li></ul> <p><b>Top Expansion Area:</b></p> <ul style="list-style-type: none"><li>■ Micro SD Card</li><li>■ Barcode Reader</li></ul> <ul style="list-style-type: none"><li>■ Thermal Imaging Camera</li><li>■ 2nd USB 2.0 (Type-A)</li><li>■ True Serial Port</li><li>■ 2nd Gigabit LAN</li></ul> <p><b>Rear Expansion Area:</b></p> <ul style="list-style-type: none"><li>■ Smart Card Reader</li><li>■ HF-RFID (NFC) Reader</li><li>■ Fingerprint Reader</li></ul>	<ul style="list-style-type: none"><li>■ Backlit Keyboard / Rubber Keyboard<ul style="list-style-type: none"><li>■ 8GB/16GB/32GB RAM</li></ul></li><li>■ 512GB/1TB/2TB Removable OPAL SSD</li></ul> <p><b>Left Expansion Area:</b></p> <ul style="list-style-type: none"><li>■ 2nd SSD, Smartcard Reader, DVD Drive, Blu-ray Drive</li></ul> <p><b>Right Expansion Area:</b></p> <ul style="list-style-type: none"><li>■ 2nd Battery, Smartcard Reader</li></ul> <p><b>Rear Expansion Area:</b></p> <ul style="list-style-type: none"><li>■ VGA + True Serial + 2nd native GLAN</li><li>■ USB 3.1 Type A + True Serial +2nd HDMI</li><li>■ USB 3.1 Type A +USB 3.1 Tpe A+ 2nd HDMI</li></ul> <p><b>Palm Rest Expansion Area:</b></p> <ul style="list-style-type: none"><li>■ Fingerprint Reader, Contactless Smart Card Reader</li></ul>	<ul style="list-style-type: none"><li>■ Backlit Keyboard</li><li>■ 8GB/16GB/32GB RAM</li><li>■ 512GB Removable SSD</li></ul> <p><b>Universal Bay:</b></p> <ul style="list-style-type: none"><li>■ 2nd SSD (256GB/512GB/1TB)<ul style="list-style-type: none"><li>■ Smartcard Reader</li><li>■ DVD Drive</li><li>■ Blu-ray Drive</li></ul></li></ul> <p><b>Front Expansion Slot:</b></p> <ul style="list-style-type: none"><li>■ 2nd Battery, Fingerprint Reader, Contactless Smartcard Reader, Smartcard Reader</li></ul> <p><b>Rear Expansion Slot:</b></p> <ul style="list-style-type: none"><li>■ (VGA &amp; True Serial) + USB 3.1</li><li>■ 2nd Gigabit LAN or Rugged USB 2.0</li></ul>	
	<b>Accessories</b>	<b>Accessories</b>	<b>Accessories</b>	<b>Accessories</b>
	Extended large battery, 4-bay battery charger, desktop docking station, capacitive stylus, emissive or rubber backlit keyboard, rotating handstrap	2nd Battery, desktop docking station, capacitive stylus, shoulder strap	Extended large battery, desktop docking station, digitiser stylus, shoulder strap, rotating handstrap, fixed handstrap	2nd Battery, desktop docking station, capacitive stylus emissive backlit keyboard

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## TOUGHBOOK Accessories

# Made to Measure for Seamless Integration



### DOCKING SOLUTIONS

With a wide range of desktop, vehicle and multi-device docking stations available across the range, we've got you covered with a solution that will help maximise productivity wherever you choose to work.



### EXPANSION OPTIONS

The latest evolution of Panasonic TOUGHBOOK devices feature a groundbreaking modular design with multiple expansion areas that offer countless configuration options to deliver the ultimate customised user computing experience.



### BATTERIES & CHARGERS

Need to be connected and productive all day? Check out our range of optional extended life batteries and chargers to ensure that your device is charged up and ready to go at a moments notice.



### KEYBOARDS

Engineered to the same standard as our ruggedised TOUGHBOOK PCs, expand the functionality of your Windows tablet with our range of optional rugged keyboards.



### CARRYING SOLUTIONS

Ensure your TOUGHBOOK remains easy to handle even when operating in the toughest conditions with our range of hand straps, shoulder straps, and holster carrying options.



### STYLUS PENS

Make your productivity a priority by utilising the best input type for the job, whether it be finger touch with or without gloves, or with one of our optional stylus pens

Learn more about the TOUGHBOOK range of accessories



## + Level up your TOUGHBOOK With our Partner Solutions



Secure your TOUGHBOOK with Gamber-Johnson's superior range of vehicle mounting & docking stations, designed to enhance driver efficiency & improve overall workplace safety.



Securely manage mobile deployments and control all aspects of business mobility from tracking physical assets to managing apps & content with SOTI IoT management software.



Embedded in the firmware of the TOUGHBOOK product line, Absolute Persistence® maintains an unbreakable connection to your devices on or off the network.



B2M Solutions delivers real-time visibility on device performance with predictive analytics, proactively reporting on the health of your device & insights on how your assets are being utilised.



Learn more about the TOUGHBOOK range of partner and software solutions





# Get TOUGH on downtime.

## Panasonic ProTect Warranty & Services

Panasonic TOUGHBOOK devices have the industry's lowest failure rates but when something out of the ordinary happens which renders your device out of action, consider the impact to your business.

With our range of optional ProTect warranties and advanced service offers, you can help minimise the disruption to your workforce, reduce unforeseen repair and recovery costs, and have added peace of mind in the event of device malfunction.



### Superior Service

Not only does ProTect provide a high level of protection for your devices, but our local after sales service team is second to none, ensuring you experience minimal downtime so you can get back up and running as soon as possible.

If your business is mission critical then so is our support team. Feel reassured with priority access to our Australian based call centre who will work alongside your team every step of the way to help resolve any issues encountered.



### Standard & Extended Cover

All Panasonic TOUGHBOOK devices come with a 3 year standard warranty, but from time to time you may need more.

Panasonic's Extended Warranty cover provides an additional 1 or 2 years of warranty, helping you to minimise repair costs and maximise the life cycle of your TOUGHBOOK.



### On-Site Service

Don't let device downtime slow you down. Our skilled technicians can come directly to your location, saving you time and money by eliminating the need to transport your devices back to a repair centre. We offer a range of services, including maintenance, repairs, and upgrades, ensuring that your TOUGHBOOK is running at peak performance.



### ProTect Rapid Response

Our TOUGHBOOK devices are made to be mission critical, and so is our ProTect Rapid Response service. Rapid Response is an advance-swap style device exchange combined with a range of support options designed specifically for those businesses who cannot afford downtime due to interruptions caused by device repairs. When additional speed is crucial, our team can have fully functional devices dispatched from our service centre to your team within the next business day.



### ProTect Accidental Damage

Panasonic's ProTect Accidental Damage Service provides protection against those unforeseen accidents while devices are out in the field which sit outside of traditional warranty repairs. Devices are covered for 3 years and can be extended up to a maximum of 5 years, providing you and your workforce with complete peace of mind.



### Capped Price Servicing

Choose our capped price servicing solutions and experience the peace of mind that comes with transparent and affordable non-warranty servicing.

Our experienced technicians use only genuine parts and the latest diagnostic tools to ensure that your TOUGHBOOK is kept in best shape.

## Custom Cover

We understand that each business is unique and your warranty requirements may need to be more specific. Panasonic's professional services team can design custom support and services tailored for the unique demands of your business.





# Rugged from the core.



## Windows 11 Rugged PC for Advanced Security Needs

*Powerful. Secure. Reliable.*

Embark on an unparalleled journey of durability and security with the unbeatable combination of Microsoft Windows 11, Secured-core PC, and Panasonic TOUGHBOOK. As the rugged frontier meets cutting-edge technology, your computing experience becomes a fortress against the harshest environments and the most advanced cyber threats.

Panasonic TOUGHBOOK Secured-core PCs are amongst the most modern Windows devices that come with the highest level of hardware, software and identity protection ready right out-of-the-box, enabling users to boot securely, protect their device from firmware vulnerabilities, shield the operating system from attacks and prevent unauthorised access to devices and data with advanced access controls and authentication systems.



## Intel vPro® Built For Business

*An Unrivaled Business Computing Foundation*

Panasonic TOUGHBOOK powered by the latest Intel vPro® processors give field workers enterprise-class performance and responsiveness with fast, reliable connectivity, elite performance, long mobile battery life and a host of other innovative features to keep employees productive.

The Intel vPro® platform delivers hardware-enhanced security features that help protect all layers in the computing stack. Intel Hardware Shield, exclusive to the Intel vPro® platform, helps reduce the attack surface of the system by locking down system critical resources to help prevent malicious code injection from compromising the OS, ensuring your OS runs on legitimate hardware.