

RUGGED PURPOSE-BUILT SOLUTIONS FOR WHERE YOU WORK

INCREASE PRODUCTIVITY IN MANUFACTURING

Manufacturers face increasing demands to improve productivity while overcoming obstacles like outdated legacy systems, labor shortages, and the high cost of upgrading technology. These challenges can disrupt workflows, lead to downtime, and slow progress toward digital transformation. Built to withstand the toughest conditions and equipped with features that enhance productivity, Panasonic TOUGHBOOK® solutions help manufacturers reduce downtime, optimize workflows, and achieve greater operational efficiency across their facilities.

CUSTOMIZABLE MOBILE SOLUTIONS

TOUGHBOOK customizable mobile solutions combine purpose-built computers, solutions, connectivity, and professional services. They are designed to be easy to use, to deploy quickly, and to share data in the workforce.

Devices: Built for the world's toughest users

TOUGHBOOK rugged laptops, 2-in-1s, and tablets are designed for reliability in the challenging conditions of manufacturing. TOUGHBOOK devices feature sunlight-readable displays for visibility in diverse lighting, hot-swappable batteries for uninterrupted multi-shift operations, and certifications like ingress protection (IP), MIL-STD, and HazLoc to ensure safety in hazardous locations.

Solutions: Support for manufacturing applications

Panasonic TOUGHBOOK devices integrate seamlessly with essential manufacturing systems and applications. From production monitoring and inventory tracking to predictive maintenance and compliance reporting, these devices enable manufacturers to operate more efficiently and effectively.

Connectivity: Reliable and always on

Keeping your workers connected not only depends on the quality of the network but also on the quality of your mobile device. Panasonic manufactures and tests its own antenna modules built with exceptional reliability and connectivity reach. TOUGHBOOK computers come with Wi-Fi and Bluetooth® standard and optional cellular modems, including CBRS private networks on Band 48.

Services: Planning, deployment, and repair

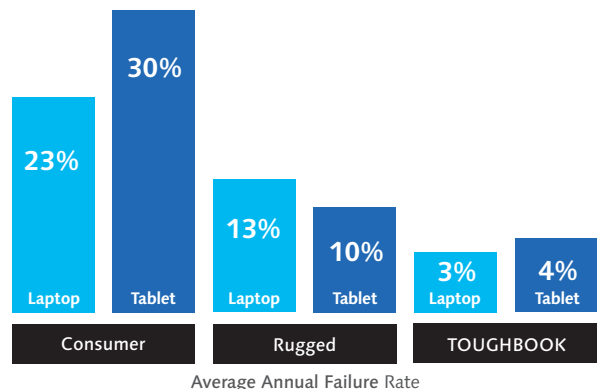
Equipment failure and unplanned downtime can have significant implications for productivity. TOUGHBOOK devices are backed by a strong warranty program and the TOUGHBOOK ProServices team, a U.S.-based support network with rapid turnaround on repairs and access to specialized services and knowledgeable experts.

Take advantage of our deployment services to ensure that everything from the software to the third-party accessories is configured and fully tested before it heads out to your manufacturing facility. We also offer mobile application services to protect your devices, field engineering services that can work on-site or remotely, and training for your IT staff and help desk personnel.

A SMART INVESTMENT

In situations where failure is not an option, TOUGHBOOK devices are significantly more reliable than consumer-grade or other rugged laptops and tablets,¹ lasting longer and contributing to a low total cost of ownership.

TOUGHBOOK laptops and tablets outperform consumer-grade devices and rugged devices from other competitors.²



1. Compares 2021 Panasonic failure rate data (unpublished) with 2021 failure rate data from IDC's The Rugged Device Survey (unpublished)

2. Ibid.



PANASONIC TOUGHBOOK SOLUTIONS FOR MANUFACTURING

Panasonic Connect offers the following rugged laptops, 2-in-1s, and tablets, engineered to handle the daily dynamic conditions manufacturing workers face. Exceptional reliability and durability keep workers connected with wireless options, including 5G, 4G, and dedicated GPS, to provide access to the critical data and apps they need to stay productive. TOUGHBOOK devices feature long battery life, and many models offer an optional hot-swappable second battery and OPAL-encrypted solid-state drives (SSDs) for enhanced security. Modular design allows you to customize your device with the capabilities you need today and then reconfigure it later with new components as your needs change.



TOUGHBOOK 55

A 14-inch semi-rugged Windows 11 Pro laptop that features an innovative modular design to switch out tools like optical drives and authentication readers. Infrared webcam, microphones, vehicle dock backwards compatibility, and up to 38 hours of battery life with an optional second battery. Provides multiple interface ports including USB-C Thunderbolt 4, RJ45 Ethernet, and optional serial.

[Get more details ►](#)



TOUGHBOOK 40

This 14-inch fully rugged Windows laptop is an AI-enabled TOUGHBOOK PC. It boasts up to 16 cores, including CPU, GPU, and NPU cores, 5MP infrared webcam and tetra-array microphones with AI noise reduction, and optional Intel® Arc™ graphics or dedicated graphics from AMD for graphic-intensive applications, including 3D imaging and modeling. Provides the industry's most modular design with 8 modular areas, including xPAK's that are user-replaceable and with up to 9,600 combinations. Provides multiple interface ports, including USB-C Thunderbolt™ 4, RJ45 Ethernet, and optional serial.

[Get more details ►](#)



TOUGHBOOK 33

Use the TOUGHBOOK 33 2-in-1 as a laptop for reporting and then easily switch to the tablet for easy portability. It's built to withstand up to 5-foot drops, shocks, vibration, humidity, moisture, and more. It comes with Intel Iris® Xe Graphics and a 12-inch 3:2-aspect screen that improves display of data visualizations, 3D imaging, and schematics; responds to glove-touch; and is viewable in rain, sunlight, or at night. Provides multiple interface ports including USB-C Thunderbolt 4, RJ45 Ethernet, and optional serial.

[Get more details ►](#)



TOUGHBOOK G2

This 10.1-inch fully rugged 2-in-1 Windows tablet with an optional keyboard is an AI-enabled TOUGHBOOK. It runs on an Intel Core™ Ultra 5 processor and Windows 11 Pro. The screen is daylight viewable and operates with wet-touch and gloved-touch technology for outdoor use. Two expansion areas offer 84 feature combinations, including new 5G WWAN connectivity, hot-swappable battery, and purpose-built user interfaces. Workers can collect data from external equipment with USB-C Thunderbolt™ 4, USB-A, RJ45 Ethernet, and optional RS232 DB9 serial.

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