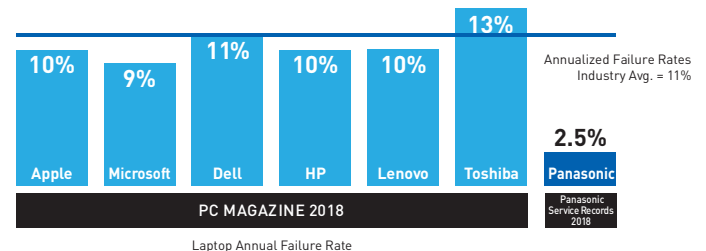# TOUGHBOOK Product Portfolio

From military bases to patrol cars, on the shop floor or in a lab, on the road or in the field, Panasonic is helping to keep organizations moving forward.

Engineered to withstand drips, drops, dust and grime TOUGHBOOK® computers thrive and survive in the hardest of environments. Panasonic is committed to delivering mobile computing solutions that help you get the job done, wherever it takes you.

- Select TOUGHBOOK mobile devices go beyond the standard safety testing to achieve Hazardous Locations Class 1 Div 2 certification1, TPM 2.0 and are TAA-compliant, approved for government deployment.

- Panasonic and its partners design a wide assortment of heavy-duty docks, mounts and other peripherals including barcode readers, printers and magstripe readers—to expand and enhance the TOUGHBOOK capabilities.

- Panasonic values keeping backward compatibility to allow customers to save the expense and hassle of replacing vehicle docks every time a new model is introduced.

- Panasonic is the only major manufacturer that designs, builds and tests its mobile devices in its own factory - allowing quality control, consistency and parts availability to be monitored every step of the way.

INDUSTRY AVERAGE FAILURE RATE

Panasonic devices are over five times more reliable than the average laptop used by businesses across America.*

Apple	Microsoft	Dell	HP	Lenovo	Toshiba	Panasonic
10%	9%	11%	10%	10%	13%	2.5%

Annualized Failure Rates Industry Avg. = 11%

PC MAGAZINE 2018 — Panasonic Service Records 2018

Laptop Annual Failure Rate

*Comparing Panasonic actual data for TOUGHBOOK family of devices to PC Magazine reader-reported data for competitors.

Not only is a TOUGHBOOK purpose-built to withstand extreme mobile environments, but it has the exclusive Panasonic ProServices support team standing behind it. To help ensure uninterrupted worker productivity and efficiency, Panasonic offers support and services throughout the lifecycle of your mobile computing device.

Panasonic ProServices for TOUGHBOOK include:

- Pre-deployment consulting
- Engineering design and field engineering expertise
- Deployment services (imaging, asset tagging, etc.)
- Warranty coverage and maintenance services
- Hard drive replacement
- End of life recycling

TOUGHBOOK®

MOBILITY SOLUTIONS

Panasonic

TOUGHBOOK 31
13.1" Fully-rugged Windows® 10 | 810G | 6' Drop | IP65

- 1200 nit gloved touchscreen
- Intel® Core™ i5 vPro™ processor (i7 & 32GB optional)
- DVD drive & optional insertable CAC reader
- 19.5-hour battery life (28.5 w/optional media bay battery)

TOUGHBOOK 55
14" Semi-rugged Windows® 10 | 810H | 3' Drop | IP53

- Optional 1000 nit gloved multi-touch model
- Innovative modular design & user-removable accessory expansion packs offer unparalleled customization
- Intel® Core™ i5 vPro™ quad-core CPU (i7 & 64GB optional)
- Vehicle & desktop dock backwards compatibility
- Infrared webcam w/tetra-array microphones & privacy cover
- Optional FirstNet Ready™ EM7511 Band 14 modem
- Up to 20-hour battery life (40 w/optional 2nd battery)

TOUGHBOOK 33
12" Fully-rugged Windows® 10 | 810G | 4-5' Drop | IP65

- 1200 nit gloved multi-touch + digitizer display
- Intel® Core™ i5 vPro™ processor (16GB optional)
- Optional quick-release SSD & rubber keyboard
- Generation of vehicle dock backwards compatibility w/available vehicle dock adapter (VDA)
- Optional FirstNet Ready™ EM7511 Band 14 modem
- 10-hour battery life (20 w/optional long life battery)

TOUGHBOOK 20
10.1" Fully-rugged Windows® 10 | 810G | 4-5' Drop | IP65

- 800 nit gloved multi-touch + digitizer display
- Intel® Core™ vPro™ processor (16GB optional)
- Optional quick-release SSD
- Optional FirstNet Ready™ EM7511 Band 14 modem
- 8.5-hour battery life (17 w/optional 2nd battery)

TOUGHPAD FZ-G1
10.1" Fully-rugged Windows® 10 | 810G | 4' Drop | IP65

- 800 nit gloved multi-touch + digitizer
- Intel® Core™ i5 vPro™ processor
- Optional barcode, thermal camera, magstripe, insertable or contactless CAC reader & more
- 11-hour battery life (22 w/optional long life battery)

TOUGHPAD FZ-M1
7" Fully-rugged Windows® 10 | 810G | 5' Drop | IP65

- 700 nit gloved multi-touch display
- Intel® Core™ vPro™ processor
- Optional thermal camera, 3D camera, barcode, magstripe, insertable CAC reader & more
- 8-hour battery life (16 w/optional long life battery)

TOUGHBOOK A3
10.1" Fully-rugged Android™ 9 | 810H | 6' Drop | IP65

- 800 nit max gloved multi-touch display
- Qualcomm® octa-core processor
- NFC & optional 2nd USB-A or barcode or insertable SmartCard reader
- Optional FirstNet Ready™ Band 14 modem
- 9-hour battery life (15.5 w/opt long life battery) & hot swappable

TOUGHBOOK L1
7" Fully-rugged Android™ 8.1 | 810G | 5' Drop | IP65 & IP67

- 380 nit gloved multi-touch display
- Qualcomm® quad-core processor
- NFC & optional portrait or landscape barcode reader
- 9-hour battery life & warm swappable

TOUGHBOOK N1
4.7" Fully-rugged Android™ 9 | 810G | 7' Drop | IP66 & IP68

- 500 nit gloved multi-touch display
- Qualcomm® octa-core processor, 3GB RAM, 32GB Flash
- NFC & barcode reader
- Optional dual SIM & cellular voice capability
- Optional FirstNet Ready™ Band 14 modem
- 12-hour battery life (19 w/opt long life battery) & warm swappable

TOUGHBOOK N1 Tactical
4.7" Fully-rugged Android™ 9 | 810G | 7' Drop | IP66 & IP68

- 500 nit gloved multi-touch display
- Qualcomm® octa-core processor, 4GB RAM, 64GB Flash
- NFC & optional NIAP Certification (pending)
- Dual SIM & cellular voice capability
- 12-hour battery life & warm swappable

TOUGHBOOK T1
5" Fully-rugged Android™ 9 | 810G | 5' Drop | IP66 & IP68

- 420 nit gloved multi-touch display
- Qualcomm® quad-core processor
- NFC, barcode reader w/optional triggered pistol grip
- Optional cellular voice capability
- 12-hour battery life & warm swappable

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1.800.800.0014
www.connection.com/Panasonic

Contact an Account Manager today to learn more about Panasonic in manufacturing.

TOUGHBOOK®

MOBILITY SOLUTIONS