



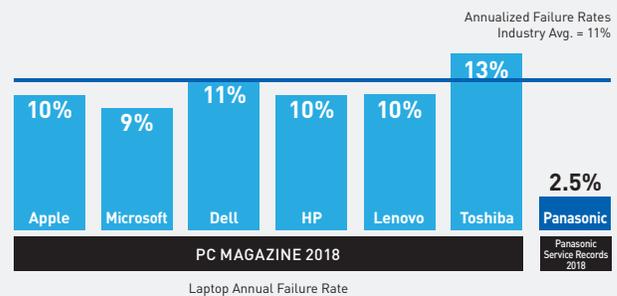
Mobility Solutions & Services

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, tablets and handhelds 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 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.*



*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 31

13.1" Fully rugged 810G | 6' Drop | IP65

- 1200 nit gloved touchscreen
- Windows® 10 Pro
- Intel® Core™ i5 vPro™ processor (i7 and 32GB optional)
- DVD drive and optional insertable CAC reader
- 19.5-hour battery life (28.5 with optional media bay battery)
- TPM 2.0 security



TOUGHBOOK 54

14" Semi-rugged 810G | 3' Drop | IP51

- Optional 1000 nit gloved multi touch model
- Windows® 10 Pro
- Intel® Core™ i5 vPro™ processor (i7 and 32GB optional)
- Optional discrete graphics, 2nd drive, DVD, fingerprint, insertable or contactless CAC reader and more
- 10-hour battery life (17 with optional media bay battery)¹
- Optional FirstNet Ready™ EM7511 Band 14 modem
- TPM 2.0



TOUGHBOOK 33

12" Fully rugged 810G | 4-5' Drop | IP65

- 1200 nit gloved multi touch + digitizer display
- Windows® 10 Pro
- Intel® Core™ i5 vPro™ processor (i7 and 16GB optional)
- Infrared webcam
- Generation of vehicle dock backwards compatibility with available vehicle dock adapter (VDA)
- 10-hour battery life (20 with optional long life battery)
- Optional FirstNet Ready™ EM7511 Band 14 modem
- TPM 2.0 security



TOUGHBOOK 20

10.1" Fully rugged 810G | 4-5' Drop | IP65

- 800 nit gloved multi touch display with digitizer
- Windows® 10 Pro
- Intel® Core™ vPro™ processor (16GB optional)
- Infrared webcam
- Optional quick-release SSD
- Built-in dual purpose handle that functions as a kickstand
- 8.5-hour battery life (17 with optional 2nd battery)
- TPM 2.0 security available upon request



TOUGHPAD FZ-G1

10.1" Fully rugged 810G | 4' Drop | IP65

- 800 nit gloved multi touch + digitizer
- Windows® 10 Pro
- Intel® Core™ i5 vPro™ processor (i7 optional)
- Optional barcode, thermal camera, magstripe, insertable or contactless CAC reader and more
- 11-hour battery life (22 with optional long life battery)
- TPM 2.0 security



TOUGHPAD FZ-M1

7" Fully rugged 810G | 5' Drop | IP65

- 800 nit gloved multi touch display
- Windows® 10 Pro
- Intel® Core™ vPro™ processor
- Optional thermal camera, 3D camera, passport, barcode, magstripe, insertable CAC reader and more
- 8-hour battery life (16 with optional long life battery)
- TPM 2.0 security available upon request



TOUGHBOOK L1

7" Fully rugged 810G | 5' Drop | IP65 & IP67

- 380 nit gloved multi touch display
- Android™ 8.1
- Qualcomm® quad-core processor
- NFC and optional portrait or landscape barcode reader
- Optional multi-carrier 4G LTE data
- 9-hour battery life and warm swappable



TOUGHBOOK N1

4.7" Fully rugged 810G | 7' Drop | IP66 & IP68

- 500 nit gloved multi touch display
- Android™ 8.1
- Qualcomm® octa-core processor
- NFC, barcode reader and optional magstripe reader
- Optional dual SIM multi-carrier 4G LTE data with cellular voice capability
- 12-hour battery life (19 w/opt long life battery) and warm swappable



TOUGHBOOK T1

5" Fully rugged 810G | 5' Drop | IP66 & IP68

- 420 nit gloved multi touch display
- Android™ 8.1
- Qualcomm® quad-core processor
- NFC, barcode reader with optional triggered pistol grip
- Optional multi-carrier 4G LTE data with cellular voice capability
- 12-hour battery life and warm swappable



TOUGHPAD FZ-X1

5" Ultra rugged 810G | 10' Drop | IP65 & IP68

- 500 nit gloved multi touch display
- Android™ 5.1.1
- Qualcomm® quad-core processor
- NFC, barcode reader and optional magstripe reader, pistol grip or DEX cable
- Optional dual SIM multi-carrier 4G LTE data with cellular voice capability
- 14-hour battery life and hot-swappable

Battery testing results for Windows PC's are based on MobileMark 2014 at 150 nit and using no cellular mobile broadband.
¹Battery life for Touch and Performance models.

