



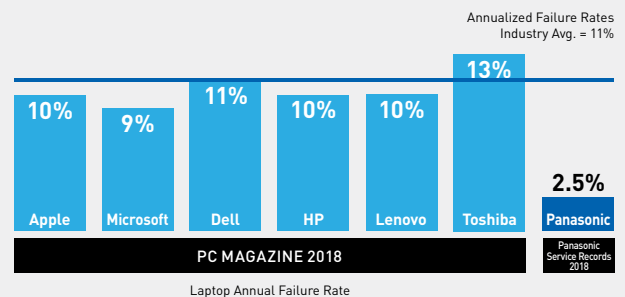
Mobility Solutions & Services

From military bases to patrol cars, on the shop floor or in a lab, on the road or in the field, Panasonic is helping organizations keep moving forward. Engineered to withstand drips, drops, dust and grime. Toughbook® laptops and Toughpad® tablets thrive and survive in the harshest of environments. Panasonic is committed to delivering mobile computing solutions that help you get the job done, wherever it takes you.

- Select Toughbook and Toughpad mobile devices go beyond the standard safety testing to achieve ANSI 12.12.01-2000 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 and Toughpad 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 and Toughpad 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 16GB optional)
- Optional DVD drive, insertable CAC & fingerprint reader
- 18-hour battery life (27 with optional media bay battery)
- TPM 2.0 security available upon request



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
- TPM 2.0 security available upon request



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 supports Windows Hello biometric user authentication (7th Gen CPU model)
- Generation of vehicle dock backwards compatibility with available vehicle dock adapter (VDA)
- 10-hour battery life (20 with optional long life battery)²
- TPM 2.0 security



TOUGHBOOK 20

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

- 800 nit gloved multi touch gloved display with digitizer
- Windows® 10 Pro
- Intel® Core™ vPro™ processor (16GB optional)
- Infrared webcam supports Windows Hello biometric user authentication (i5 CPU model)
- 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



TOUGHBOOK 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 Sensor 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-A2

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

- 800 nit gloved multi touch gloved display
- Android 6.0.1
- Intel® Atom™ processor
- Optional barcode or insertable CAC reader and more
- 9-hour battery life and hot-swappable



TOUGHBOOK FZ-M1 & FZ-B2

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

- 800 nit gloved multi touch gloved display
- FZ-M1: Windows® 10 Pro
- FZ-B2: Android™ 6.0.1
- FZ-M1: Intel® Core™ vPro™ processor
- FZ-B2: Intel® Atom™ processor
- Optional barcode, magstripe, insertable CAC reader and more
- 8-hour battery (w/ opt long life battery, 18 M1; 16 B2)
- FZ-M1: TPM 2.0 security available upon request



TOUGHBOOK FZ-L1

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

- 350 nit gloved multi touch gloved display³
- Android™ 8.1
- Qualcomm® quad-core processor
- NFC and optional portrait or landscape barcode reader
- Optional 4G LTE



TOUGHBOOK FZ-N1

4.7" Fully rugged 810G | 6' Drop | IP66 & IP68

- 500 nit gloved multi touch gloved display
- Android™ 8.1
- Qualcomm® quad-core processor
- NFC, barcode reader and optional magstripe reader
- Dual SIM multi-carrier data with cellular voice capability
- 12-hour battery (19 w/opt long life battery)



TOUGHBOOK FZ-T1

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

- 420 nit gloved multi touch gloved display
- Android™ 8.1
- Qualcomm® quad-core processor
- Barcode with optional triggered pistol grip
- 95db speaker
- Optional 4G LTE data with cellular voice capability



TOUGHPAD FZ-X1

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

- 500 nit gloved multi touch gloved display
- Android™ 5.1.1
- Qualcomm® quad-core processor
- NFC, barcode reader and optional magstripe reader, pistol grip or DEX cable
- Dual SIM multi-carrier data with cellular voice capability
- 14-hour of continuous use and hot-swappable

Battery testing results for Windows PC's are from MobileMark 2007 at 60 nit except where noted and Toughbook 20, 33, 54, FZ-G1 and FZ-M1 which are based off of MobileMark 2014 at 150 nit.

¹Battery life for Touch and Performance models.

²Battery life for 7th Gen CPU model.

³Subject to change.