



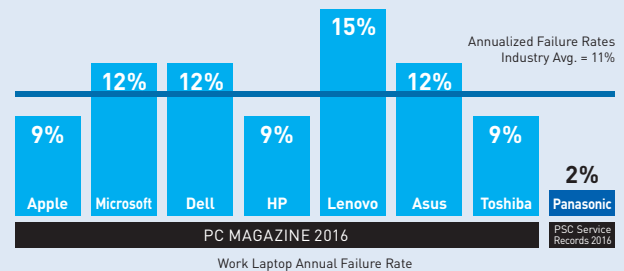
Mobile Computing Solutions & Services

From shop floor to warehouse, 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 scanners, 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 computers are over five times more reliable than the average computer used by businesses across America.*



*Comparing Panasonic actual data for Toughbook computers 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
- Mobile Security Services
- Mobile Device Management
- Hard drive replacement
- End of life recycling

TOUGHBOOK®

TOUGHPAD®



TOUGH PAD FZ-F1 & FZ-N1

Slim, lightweight fully rugged handheld

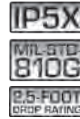
- FZ-F1 (Windows® 10 IoT Mobile Enterprise) and FZ-N1 (Android™ 5.1.1)
- 4.7" HD daylight-readable display
- Angled barcode scanner drives productivity
- Quad-core processor by Qualcomm®
- Dual SIM multi-carrier data support with cellular voice capability²
- High volume 100db speaker with noise suppression
- All-weather IP65 and IP67 Dust and Water-resistant design
- Patented rain sensing and glove touch enabled screen technology
- Weight: 0.61 lbs.
- 8-hour (continuous use) with warm-swappable function



TOUGH PAD FZ-Q1

Semi-rugged Windows® tablet with optional 2-in-1 keyboard

- 12.5" HD 1080p multi touch display
- Intel® Core™ i5 vPro™ processor
- Optional insertable & contactless SmartCard reader
- Fanless design for dust & dirt resistance
- Optional 4G LTE multi carrier mobile broadband with satellite GPS
- Optional attachable backlit keyboard with handle
- Weight: 2.3 lbs.
- Serviceable SSD & 9-hour battery life*



*Toughpad FZ-Q1 battery & SSD are serviceable by trained & authorized professionals only. Please contact a Panasonic representative for program details.



TOUGH PAD FZ-E1 & FZ-X1

Compact, powerful fully rugged handheld

- FZ-E1 (Windows Embedded 8.1) and FZ-X1 (Android™ 4.2.2)
- 5" daylight-readable, gloved multi touch display
- Data & voice technology
- Qualcomm® Quad-core processor
- All-weather IP65 and IP68 Dust and Water-resistant design
- Optional integrated barcode reader & magstripe reader
- Webcam & 8MP rear camera with auto focus and LED light
- Wi-Fi, Bluetooth®, NFC & dedicated GPS
- Weight: 0.9 lbs.
- 14-hour (continuous use) with hot-swappable battery



TOUGHBOOK 20

2-in-1 fully rugged detachable laptop

- Quickly transforms from a laptop into a fully functioning tablet
- 10.1" sunlight-viewable multi touch gloved display
- Windows® 10 Pro (available Windows 7 Professional downgrade option)
- Intel® Core™ m5 vPro™ processor
- Integrated SmartCard, NFC, barcode, fingerprint & Serial port options
- Wi-Fi, Bluetooth® & optional dedicated GPS or 4G LTE multi carrier with satellite GPS
- Built-in dual purpose handle that functions as a kickstand
- Weight: 3.9 lbs.
- 10-hour hot-swappable battery (20 hours with optional 2nd battery)



TOUGH PAD FZ-M1 & FZ-B2

7" Fully rugged tablet

- FZ-M1 (Windows® 10 Pro) and FZ-B2 (Android™ 6.0.1)
- 7" multi touch daylight-readable display
- Webcam & rear camera with auto focus and LED light
- Optional NFC, Ethernet, Serial, SmartCard, magstripe, UHF RFID and barcode reader
- Wi-Fi, Bluetooth® & optional dedicated GPS (FZ-M1) or 4G LTE multi-carrier with satellite GPS
- Weight: 1.2 lbs.
- FZ-M1: 8-hour hot-swappable battery (16 w/opt long life battery)
- FZ-B2: 7-hour hot-swappable battery (14 w/opt long life battery)



TOUGHBOOK 31

Powerful, fully rugged laptop

- 13.1" sunlight-viewable 1200 nit touchscreen
- Windows® 10 Pro (available Windows 7 Professional downgrade option)
- Intel® Core™ i5 vPro™ processor
- Standard emissive backlit keyboard
- Optional DVD drive, webcam, second LAN, SmartCard & fingerprint reader
- Wi-Fi, Bluetooth® & optional dedicated GPS, 4G LTE multi carrier with satellite GPS
- Full magnesium alloy case with handle
- Shock-mounted hard drive with quick-release
- Weight: 7.9 lbs
- 18-hour battery life (27 hours with optional media bay 2nd battery)



TOUGH PAD FZ-G1

10.1" Fully rugged Windows® tablet

- 10.1" daylight-readable display with gloved multi-touch + digitizer
- Windows® 10 Pro (available Windows 7 Professional downgrade option)
- Intel® Core™ i5 vPro™ processor
- Webcam & 8MP rear camera with auto focus & LED light
- Optional barcode, SmartCard, magstripe & UHF RFID reader
- USB 3.0 + HDMI ports, with optional Serial, Ethernet, MicroSD or 2nd USB port
- Wi-Fi, Bluetooth® & optional dedicated GPS or 4G LTE multi carrier with satellite GPS
- Solid state drive with heater
- Weight: 2.4 lbs.
- 13-hour battery life (26 hours with optional long life battery)



TOUGHBOOK 54

Ultra-lightweight, thin semi-rugged laptop

- 14" HD (768p) & FHD (1080p) displays, available in gloved multi touch
- Windows® 10 Pro (available Windows 7 Professional downgrade option)
- Intel® Core™ i5 vPro™ processor
- Available Performance model with discrete graphics & dual fans
- Optional second drive, hot-swappable second battery, second LAN, Serial, DVD, antenna pass-through, SmartCard reader and more
- Wi-Fi, Bluetooth® & optional dedicated GPS, 4G LTE multi carrier with satellite GPS
- Magnesium alloy case with handle
- Shock-mounted hard drive with quick release
- Weight: Starting at 4.2 lbs.
- Up to 11-hour battery life (up to 18 hours with optional long life battery)



¹ ANSI 12.12.01-2000 certification for safe operation in areas where potentially explosive or flammable substances may be present.

² Cellular voice capability available late 2016. Check with your account manager for details.

Windows 7 Professional available through downgrade rights – Learn more at: www.microsoft.com/OEM/en/licensing/sblicensing/Pages/downgrade_rights.aspx#bid=QzuQ2yqHIMS

Please consult your reseller or Panasonic representative before purchasing.