



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/sblcensing/Pages/downgrade_rights.aspx#fbid=QzuQ2yqHIMS

Please consult your reseller or Panasonic representative before purchasing.

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