

Panasonic



TOUGH PAD FZ-F1

- Windows 10 IoT Mobile Enterprise
- Angled barcode scanner drives productivity
- Industry leading quad-core processor by Qualcomm®
- Dual SIM multi-carrier data support with cellular voice capability
- High volume 100db speaker with noise suppression and echo cancellation microphone
- MIL-STD-810G, 6' Drop, All-weather IP65 and IP67 Dust and Water-resistant design
- Patented rain sensing and glove touch enabled screen technology
- 3 Year Warranty with business class support

6-FOOT
DROP RATING

IP65

IP67

MIL-STD-
810G

FULLY RUGGED SECURE & MANAGABLE HANDHELD FOR THE ENTERPRISE.

Slim, lightweight, powerful, the fully-rugged handheld Panasonic Toughpad® F1 is the all-in-one tool you've been waiting for. With a quad-core processor, angled rear-facing barcode scanner, warm-swappable battery, and multi-carrier 4G LTE, with voice capabilities, it's ready to go when and where work takes you today. The Toughpad F1 comes with the latest Windows 10 IoT with enterprise-grade security, manageability and native device interoperability that enables the Internet of Things. And it's built to take a six-foot drop or a downpour, so it even works with a wet screen or with gloves on. It is the right choice for unrelenting conditions.

The Panasonic Toughpad® F1 features everything you need in a rugged handheld.

LEARN MORE

1.800.662.3537

us.panasonic.com/toughpad/F1

TOUGH PAD®

TOUGHPAD FZ-F1



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DURABILITY

- MIL-STD-810G (shock, vibration, rain, dust, sand, altitude, freeze/thaw, high/low temperature, temperature shock, humidity)
- IP65 and IP67 sealed all-weather design
- 6' drop-resistant and tumble tested (1000 tumbles, 3.3ft, 5 rpm)
- Port covers
- Raised bezel for LCD impact protection

SOFTWARE

- Windows 10 IoT Mobile Enterprise¹²

CPU

- Qualcomm® MSM8974AB 2.3GHz Quad Core

STORAGE & MEMORY

- Memory 2GB¹
- Storage eMMC: 16 GB¹
 - Additional storage available with optional Storage Card: SD (up to 2 GB), SDHC (up to 32 GB), SDXC (up to 64 GB)²

DISPLAY

- 4.7" high definition 1280 x 720 daylight-viewable display
- 10-point capacitive multi touch with glove touch mode
 - Optional Passive pen
 - Optional Active pen
 - Rain sensing touch mode⁴
 - 2-500 nit
 - VA display with direct bonding
 - Anti-reflective and anti-glare screen treatments
 - Automatic screen rotation

AUDIO

- Integrated microphone x 3
- Loud volume twin speakers up to 100 db
- Noise suppression and echo cancellation engine

KEYBOARD & INPUT

- 10-point gloved multi touch + active stylus capability
- 2-4 tablet buttons (user-definable)
- On-screen QWERTY keyboard

SENSORS

- Ambient light sensor, digital compass, gyro and acceleration sensors

CAMERAS

- Full HD 5MP webcam
- Full HD 8MP rear camera with LED light

EXPANSION

- microSDXC (up to 64 GB)²

INTERFACE

- Docking connector 9-pin
- Mini-USB 2.0 (x 1)³ 4-pin
- Headphone & microphone Mini-jack stereo
- xPak interface 9-pin

WIRELESS

- Qualcomm® WCN3680B IEEE802.11 a/b/g/n/ac
- Qualcomm® MSM874AB - 4G LTE, HSPA+, UMTS, EDGE, GPRS, GSM, CDMA 1x, EVDO Rev.A
- Micro SIM card slot x 2
- Bluetooth® v4.1 LE (class 1)
- GPS 2m CEP50 (±2 to 4m) GLONASS
- Near Field Communication (NFC)
 - Type A, Type B, Felica

POWER SUPPLY^{5,6,7,8,9}

- Standard battery: Li-ion 3.8V, 3,200 mAh
- Optional long life battery: Li-ion 3.8V, 6,400mAh
- Standard battery operation:
 - Standby up to 700 hours; Talk up to 24 hours; Barcode up to 12 hours
- Long life battery operation:
 - Standby up to 1400 hours; Talk up to 48 hours; Barcode up to 24 hours
- Continuous use data:
 - 8 to 16 hours
- Warm Swap:
 - Approx. 1 min.
- Standard battery charging time:
 - Power on approx. 2 hours
- Micro-USB Charging capability sold separately

POWER MANAGEMENT

- Consumption approx. 18W
- Warm swap battery - Keeps applications active up to 1 minute

SECURITY FEATURES

- FIPS140-2 level-1 compliant
- ARM® TrustZone® (Built-in)

WARRANTY

- 3-year limited warranty, parts and labor

DIMENSIONS & WEIGHT^{10,11}

- 6.12"(L) x 2.92"(W) x 0.64"(H)
- Approx. 0.62 lb.

KEY FEATURES

- 1D/2D barcode reader
- Optional magnetic stripe reader

ACCESSORIES

- AC Adapter (3-prong) [Not included] CF-AA6373AM
- Charging Cup for FZ-N1, FZ-F1, [No Power Supply nor AC cord] FZ-VCBN11U
- Standard Battery 3,200mAh for FZ-N1, FZ-F1 FZ-VZSUN110U
- Extended Battery 6,400mAh for FZ-N1, FZ-F1 FZ-VZSUN120U
- Single Bay Cradle for FZ-N1, FZ-F1, built-in single battery charger with 60W Power Supply and AC cord FZ-VEBN111U
- 4-Bay Cradle for FZ-N1, FZ-F1 with 110W Power Supply and AC cord FZ-VEBN121M
- Passive optional Stylus CF-VNP021U
- Protective Film (10 Sheets) for FZ-N1, FZ-F1 FZ-VPFN11U
- Holster with belt for FZ-N1, FZ-F1 FZ-VSTN12U
- Hand strap (Lrg) for FZ-N1, FZ-F1 FZ-VSTN11U

Please consult your reseller or Panasonic representative before purchasing. Specifications given herein may be changed at any time without prior notice.

¹ 1 MB = 1,048,576 bytes, 1 GB = 1,073,741,824 bytes

² Operation has been tested and confirmed using the following Panasonic brand memory cards: SD (up to 2 GB), SDHC (up to 32 GB), SDXC (up to 64 GB). Compatibility with other SD devices is not guaranteed.

³ Does not guarantee operation of all USB-compatible peripherals.

⁴ 1 finger point is available for water proof touch mode

⁵ The AC adaptor is designed for use with power sources that supply up to 240 V AC. The included AC cord is designed for use with power sources that supply up to 300V AC.

⁶ Actual performance varies depending on usage conditions, connected peripherals, etc. Typically, operating time is reduced in colder environments.

⁷ Talk time may vary according to cellular network condition. Measured with VOIP application.

⁸ When the battery is fully charged (or not being charged) and the unit is off.

⁹ Rated power consumption.

¹⁰ Actual size may vary by unit configuration.

¹¹ Average weight. Actual weight may vary by unit configuration.

¹² Product functionality cannot be guaranteed if the operating system is modified or replaced by the user or a third party.



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TOUGHPAD®