Panasonic

TOUGHPAD 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.

M RUGGED
Mobile Technology
877-870-3806

TOUGHPAD®

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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 Enterprise[12]
CPU	■ Qualcomm® MSM8974AB 2.3GHz Quad Core
STORAGE & MEMORY	■ Memory 2GB[1] ■ Storage eMMC: 16 GB[1] – 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 mode[4] – 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) GLONAS ■ 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.

LASER RADIATION
DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT
1mW MAX 630-680 nm
EN 60825-1:2007 IEC60825-1:2007

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