

Toughpad FZ-E1 Rugged Handheld Tablet

The rugged 5-inch Panasonic Toughpad® FZ-E1 handheld tablet (also known as the FZ-E1) runs the Windows Embedded Handset 8 operating system and is an ideal for use in the most demanding environments. The Toughpad FZ-E1 weighs less than one pound, and is designed to MIL-STD-810G and to IP65/IP68 specifications to protect against environmental conditions and accidental situations, such as bumps, drops, or exposure to wind, heat, and rain. The FZ-E1 will survive a drop from 10-foot drops onto concrete and 30 minutes underwater at up a maximum depth of 1.5 meters.

The Toughpad FZ-E1 is powered by the quad-core Qualcomm Snapdragon 800 processor running at 2.3GHz, 2GB RAM, and 32GB of on-board storage. It offers a complete range of embedded wireless options including Wi-Fi, Bluetooth®, and optional 4G LTE multi carrier mobile broadband to help users stay connected while in the field.

The Panasonic Toughpad FZ-E1 features a high-definition, daylight-viewable display. The 10-point capacitive multi-touch display supports gloved touch and gestures, and input from a capacitive stylus pen. Other features include an integrated front 1.3MP webcam, and 8MP rear camera, and a hot-swappable 6,200mAh battery that can accommodate a full day of work. Customized options include integrated barcode reader, magstripe reader and certified ANSI 12.12.01 for hazardous locations

Features

- Windows Operating System
- Voice and Data Technology
- Qualcomm Quad-core Processor
- MIL-STD-810G, 10' Drop, All-weather IP65 and IP68 Dust and Water-resistant Design
- 14-hour Hot-swappable Battery
- Optional Integrated Barcode Reader,
- Magstripe Reader and Certified ANSI 12.12.01 for Hazardous Locations
- Glove-enabled, Multi-touch, Daylight-readable Display



Product Specifications

Operating System:

- Windows® Embedded 8.1 Handheld

Processor:

- Qualcomm MSM8974AB 2.3GHz Quad-core

Storage:

- 32GB
- Up to 64GB additional with optional microSDXC card

Memory:

- 2GB RAM

Display:

- 7" WXGA 1280 x 800 with LED backlighting
- 10-point capacitive capacitive gloved multi touch with glove touch mode
 - 2-500 nit
 - Rain sensing touch mode
 - Anti-reflective and anti-glare screen treatments
 - Automatic screen rotation
 - VA display with direct bonding

Wireless:

- IEEE802.11 a/b/g/n/ac
- 4G LTE, HSPA+, UMTS, EDGE, GPRS, CDMA 1x, EVDO Rev.A
- Micro SIM card slot x 2
- Bluetooth v4.0 (class 1)
- GPS 2m CEP50 (± 2 to 4m)
- Near Field Communication (NFC)
 - Felica Type A, Type B

Integrated Options:

- Optional 1D/2D barcode reader
- Optional magnetic stripe reader with hand strap and stylus
- Certified ANSI 12.12.01 for hazardous locations

Cameras:

- HD 1.3MP webcam
- 8MP rear camera with LED light

Interface:

- Docking connector 13-pin
- Headphones/speaker Mini-jack stereo
- USB 2.0 (x 1) 4-pin

Expansion Slots:

- Optional MicroSD

Keyboard & Input:

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

Audio:

- Integrated microphone x 3
- Loud volume twin speakers 100 db

Sensors:

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

Power Supply:

- Li-Ion battery pack 3.8V, 6200mAh
- Battery operation:
 - Standby up to 1000 hours; Talk up to 23 hours; Barcode up to 20.5 hours
- Bridge battery:
 - 30 seconds to 2 minutes
- Continuous use data:
 - 14 hours
- Battery charging time:
 - Power on approx. 3.6 hours; 50% charge in approx. 1 hour
- AC adapter sold separately

Power Management:

- Consumption approx. 18W
- Hot-swappable battery

Dimensions & Weight::

- 6.5"(L) x 3.4"(W) x 1.2"(H)
- Approx. 0.94 lb.

Security:

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

Durability Features:

- World's most rugged design
- MIL-STD-810G (shock, vibration, rain, dust, sand, altitude, freeze/thaw, high/low temperature, temperature shock, humidity, explosive atmosphere)
- IP65 and IP68 sealed all-weather design (submersible up to 5' for 30 minutes)
- 10' drop-resistant
- Operating temperature of -4 °F to 140 °F
- Port covers
- Raised bezel for LCD impact protection

Warranty:

- 3 year limited warranty, parts and labor

Consider purchasing these additional items to make your new portable computer more efficient, convenient, and a complete mobile solution. Pricing and information specific to your make and model can be found on our website, or you can discuss your options with your sales professional for expert guidance and suggestions. Not all of these additional items are available for all types or brands of portable computer.



Additional RAM Memory: Adding additional RAM memory is often the easiest and least expensive way to upgrade your computer for a significant boost in performance. The computer's RAM memory is its workspace, or where all of the instructions it needs to act on are stored temporarily.



Additional Storage: A computer's hard drive stores your operating system, programs and files. Hard drive space is measured in gigabytes (GB) and the higher the GB level the greater the collective file size of everything you can save on the computer. Some computer models offer spare, removable hard drives, while others offer an external hard drive.



External Drives: Some computer models come with a DVD/CD Multi drive, meaning you can read and write CD's and DVD's. Other computer models require an external USB drive. Also, some manufacturers offer an external floppy disk drive.



Power Options: Having additional power options available will keep you from running out of power at just the wrong time, there are several options available:

Additional AC Adapter – A convenient extra AC Adapter with Power Cord allows you to keep one at home and one at the office, no need to carry it back and forth.



Automobile Adapter – The automobile power adapter, also known as a cigarette lighter adapter, allows you to power your portable computer while in your vehicle, as well as charge your battery. Some of these adapters can also be used on an airplane.

External Battery Charger – The external battery charger allows you to keep your battery charged, it does not come with an AC Adapter – you can use the one that comes with the computer or purchase an additional one.



Spare Batteries - Purchase additional or replacement batteries to ensure you will always have one available. Some computers also have a place for a secondary battery, such as in the media bay. Check with your sales professional if you would like more information on these options for your model.



Mobile Printers and Scanners - A mobile printer or scanner increases your efficiency, no more running back to the office to print documents or receipts or to scan information to your computer. Our lineup of mobile printers are ready to go anywhere, they are small, lightweight, and available in different output sizes. Whether you need a full size page or just a receipt, we have the mobile printer or scanner for you.

Security Options – Keeping your investment secure is a priority, and there are several options available. Depending on the computer & model these include fingerprint scanner, smartcard reader, cable lock slot etc.



ComputraceComplete – (LoJack for your portable computer) – Computrace works behind the scenes to silently and securely contact the Absolute Monitoring Center. Using any type of internet connection, the computer makes contact every 24 hours to report its location. If a computer is reported missing or stolen, the machine is flagged to call in every 15 minutes and then the Absolute Recovery Team goes to work. The team provides law enforcement with tracking information to pinpoint the physical location of the computer and documentation needed to obtain subpoenas and procure search warrants. However, not every computer manufacturer offers computrace.



Targus DEFCON Notebook Computer Locks – The Targus DEFCON Notebook Computer Lock comes in either a cable or key lock. The lock is a 6 ft. steel cable that is cut resistant galvanized steel and can be wrapped around any secure object and attached to your cable lock slot that is built into most notebook computers. Any attempt to remove the lock will visibly damage the computer, preventing resale therefore discouraging theft. Don't let your computer be one of the nearly 1,000 portable computers stolen every day.



Other Accessories – There are many accessory items available to make using your computer more convenient and efficient, as well as user friendly. Some of these items include: carry cases designed for your model, port replicators making it easy



to create a “desktop” environment or adding additional ports to your computer, extra stylus pens so a misplaced or forgotten pen won’t slow you down, and protector films to ensure your display screen stays clear and clean.



Vehicle Docks and Mounts - Vehicle mounts hold your computer safely in place and allow for safe and comfortable use while in a vehicle. With custom fit bases, height adjustable poles, and docking station and you can run antennas, use the vehicle battery or add other peripherals for a complete mobile solution.

Warranty Extensions & Upgrades – Some warranty options and upgrades are only available at time of product purchase, but there are some manufacturers that will allow upgrades or extensions to be purchased at a later time.

Product Shots



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