Toughpad FZ-M1 Rugged Windows Tablet

The rugged Panasonic Toughpad® FZ-M1 tablet runs the Windows® 8 Pro operating system and is an ideal productivity tool for mobile workers. It weighs only 1.2 pounds and is designed to MIL-STD-810G and to IP65 specifications to protect against environmental conditions and accidental situations, such as bumps, drops, or exposure to wind, heat, and rain.

The Toughpad FZ-M1 is powered by the Intel® Core™ i5-4320Y 1.6GHz vPro processor, 8GB RAM, and a 128GB solid state drive for incredible speed and performance. It offers a complete range of embedded wireless options including Wi-Fi, Bluetooth®, and optional 4G LTE multi carrier mobile broadband with satellite GPS to help users stay connected while in the field.

The Toughpad FZ-M1 features a brilliant 7" WXGA daylight-viewable screen. Its 10-point capacitive multi-touch display supports gloved touch and gestures, and input from a capacitive stylus pen. Other features include an integrated front 720p webcam with mic and a 5MP rear camera, multiple options for peripheral connectivity, and a user-replaceable battery that can accommodate a full day of work.

Features

- 7" multi-touch, daylight-readable, touchscreen display
- Drop and all-weather design (MIL-STD-810G and IP65 certified)
- Lightweight, ergonomic design for mobile workers
- Wi-Fi, Bluetooth, and optional dedicated GPS or 4G LTE multi-carrier mobile broadband
- Integrated front and rear webcams
- User-replaceable battery, optional bridge battery and long life battery

Group Mobile

5590 W. Chandler Blvd. Suite 3
Chandler, AZ 85226
Toll Free: 1-866-RUGGED8
Fax: 480-247-2750
www.groupmobile.com

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Product Specifications

Operating System:

- Windows® 8.1 Pro 64-bit(with Windows 7 downgrade option)

Processor:

- Intel® Core™ i5-4302Y vPro™ Processor
  - —1.6GHz with Turbo Boost up to 2.3GHz
  - —Intel Smart Cache 3MB

Storage:

- 128GB solid state drive
- Optional 256GB solid state drive
- Optional heaters
- Up to 64GB additional with optional microSDXC card

Memory:

- 8GB RAM

Display:

- 7" WXGA 1280 x 800 with LED backlighting
- 10-point capacitive multi touch daylight-readable screen
  - — 500 nit
  - — IPS display with direct bonding
  - — Anti-reflective and anti-glare screen treatments
  - — Ambient light sensor, digital compass, gyro, and acceleration sensors
  - — Automatic screen rotation
  - — Intel Intel® HD graphics 4200 video controller, max. 1664MB shared VRAM with Win 8 64-bit

Wireless:

- Optional integrated 4G LTE mobile broadband with satellite GPS
- Optional dedicated GPS (SiRFstarIII™)
- Intel Dual Band Wireless AC7260 Wi-Fi 802.11a/b/g/n/ac
- Bluetooth v4.0 (Class 1) + EDR
- Security
  - — Authentication: LEAP, WPA, 802.1x, EAP-TLS, EAP-FAST, PEAP
  - — Encryption: CKIP, TKIP, 128-bit and 64-bit WEP, Hardware AES
- Optional dual high-gain antenna pass-through

Integrated Options:

- 4G LTE multi carrier mobile broadband with satellite GPS
- Available packages:
  - SmartCard reader (half-insertable) and bridge battery, 1D/2D barcode reader
  - Magnetic strip reader and bridge battery, 1D/2D barcode reader or LAN or serial
  - Near Field Communication and bridge battery, 1D/2D barcode reader or LAN or serial
  - UHF/RFID reader and bridge battery, 1D/2D barcode reader or LAN or serial

(Accessories and Integrated Options may vary depending on your configuration)

Cameras:

- 720p webcam with mic
- 5MP rear camera with auto focus and LED light

Interface:

- Docking connector - 24-pin
- Headphones/speaker - Mini-jack stereo
- USB 3.0 (x 1) - 4-pin

Expansion Slots:

- MicroSDXC

Keyboard & Input:

- 10-point multi touch
  - Supports gloved touch and gestures and capacitive stylus pen
- Integrated stylus holder in optional rotating hand strap
- On-screen QWERTY keyboard

Audio:

- Integrated microphone
- Realtek high-definition audio
- Integrated speaker
- On-screen button volume and mute controls

Power Management:

- Suspend/Resume Function, Hibernation, Standby

Power Supply:

- Li-Ion battery pack:

  —Standard battery: 7.2V, typical 3220mAh, minimum 3120mAh

  —Long life battery: 7.2V, typical 7100mAh, minimum 6800mAh

- Battery Operation:

  — Standard battery: 8 hours

  — Optional long life battery: 16 hours

- Battery charging time:

  — Standard battery: 2.5 hours off, 3 hours on

  — Optional long life battery: TBD

Dimensions & Weight:

- 7.98"(L) x 5.20"(W) x 0.71"(H) (7Length measurements do not include protrusions)
- 1.2 lbs.

Durability Features:

- MIL-STD-810G design (5' drop, shock, vibration, rain, dust, sand, altitude, freeze/thaw, high/low temperature, temperature shock, humidity, explosive atmosphere)
- IP65 certified sealed all-weather fanless design
- Solid state drive heater
- Magnesium alloy chassis encased with ABS and elastomer corner guards
- Optional hand strap or rotating hand strap
- Port covers
- Raised bezel for LCD impact protection
- Pre-installed replaceable screen film for LCD protection

Security:

- Password Security: Supervisor, User, Hard Disk Lock
- Kensington cable lock slot
- Trusted platform module (TCG) security chip v.1.2
- Computrace theft protection agent in BIOS (Requires software and activation to enable theft protection.)
- Intel Anti-Theft Technology
- Optional SmartCard reader (Mutually exclusive option.)

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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Chandler, AZ 85226
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