THE WORLD’S MOST CONFIGURABLE 7” WINDOWS® TABLET, WITH INTEL® 7TH GENERATION CORE I5 PROCESSOR.

The Panasonic TOUGHPAD® FZ-M1 is the fully rugged Windows® tablet, built to enable mission-critical mobile worker productivity without compromise. Powered by Windows® 10 Pro, the TOUGHPAD FZ-M1 features a long life, user-replaceable battery and a daylight-readable, high-sensitivity multi-touch display for use with heavy gloves. With the broadest range of configuration options available in its class, the highly customizable TOUGHPAD FZ-M1 is the ideal tool for today’s mobile workforce. In addition to the highly configurable options, added models of Thermal Camera, Real Sense Camera, RTK/GPS, as well as several more. Allows the M1 to be the most comprehensive 7” tablet in the market.
TOUGHPAD FZ-M1

Panasonic recommends Windows.

SOFTWARE
- Windows® 10 Pro 64-bit
- Panasonic Utilities (including Dashboard), Recovery Partition
- Enterprise ready driver packages including CAB files and one-click driver bundles

DURABILITY
- MIL-STD-810F certified (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
- Optional ANUGSUSA.2.12.01-2013 Class 1 Division 2 on selected models
- 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

CPU
- Intel® Core™ i5-7Y57 Processor  
  - 1.2 GHz up to 3.3 GHz with Intel® Turbo Boost Technology

STORAGE & MEMORY
- 8GB SDRAM (LPDDR3)
- 256GB SSD with heaters

DISPLAY
- 7” WXGA 1280 x 800
- 10-point capacitive gloved multi touch
- 2 – 700 nit
- Anti-reflective (AR) clear
- Intel® HD Graphics 615, Premium (Built-in Chip Set)
- Concealed mode (configurable)

Audio
- Built-in Directional Array Microphones
- Intel® High Definition Audio subsystem support
- Integrated speaker
- On-screen and button volume and mute controls

CAMERAS
- Front: 2MP (USB) webcam with Dual Microphone
- Rear: 8MP MIPI, with Camera Flash LED

KEYBOARD & INPUT
- Stylus pen with integrated stylus holder
- Touch Screen Mode Options: Pen Only, Pen and Touch, Touch Only, Touch Only-Glove, Touch Only-Water
- 6 tablet buttons (2 user-deferential)  
  - On-screen QWERTY keyboard

INTERFACE & EXPANSION
- Docking connector 24-pin
- Headphones/Mic 3.5mm Jack, Stereo
- USB 3.0 (x 1) Type A
- Optional USB 2.0 (x 1)  
  - Type A
  - Type B
- MicroSDXC UHS-I
- Optional 10/100/1000 Ethernet  
  - RJ-45
- USB 3.0 (x 1) Type A
- Headphones/Mic 3.5mm Jack, Stereo

WIRELESS
- Optional 4G LTE multi-carrier mobile broadband with satellite GPS  
  - Optional GPS (Tu-blox NED-MNB)  
    - Optional dual high-gain antenna pass-through
  - Intel® Dual Band Wireless-AC 8265 Wi-Fi 802.11a/b/g/n/ac
  - Bluetooth™ v5.2 (Class 1)
- Optional dual high-gain antenna pass-through

POWER SUPPLY
- Li-ion battery pack:  
  - Standard battery: 7.2V, typical 3220mAh, min. 3050mAh
  - Long life battery: 7.2V, typical 7100mAh, min. 6800mAh
- Battery operation:  
  - Standard battery: 8 hours
  - Optional long life battery: 14 hours
  - Standard bridge battery: 1 minute swap time
  - Battery charging time:  
    - Standard battery: 2.5 hours off, 3.5 hours on
    - Optional long life battery: 4.5 hours off, 6.5 hours on
    - Bridge battery: 1 minute hot swap time
- AC Adapter: AC 100m-240V/50/60Hz

SECURITY FEATURES
- Password Security: Supervisor, User, Hard Disk Lock
- Kensington cable lock slot
- Trusted platform module (TPM) security chip v2.0
- Persistence® technology by Absolute embedded in BIOS
- Optional insertable SmartCard reader (half size or full size)  
  - Optional contactless RFID and SmartCard/NFC reader
- Optional ANSI/ISA 2.12.01-2013 Class I Division 2 on selected models
- IP65 certified sealed all-weather fanless design
- MIL-STD-810G certified (5’ drop, shock, vibration, rain, dust, sand, altitude, freeze/thaw, high/low temperature, temperature shock, humidity, explosive atmosphere)
- Dual monitor support
- Intel® HD Graphics 615, Premium (Built-in Chip Set)
- Anti-reflective (AR) clear 2 – 700 nit
- Optional long life battery: 16 hours
- Choice of 450 LTE multi-carrier mobile broadband with satellite GPS, or dedicated GPS  
  - UHF 900MHz RFID reader (EPC Gen 2)
  - Choice of 2D barcode reader, Ethernet, Serial, 2nd USB2.0
  - Choice of insertable SmartCard, contactless SmartCard/NFC, magstripe
  - Serial/Ethernet, full size SD Card&Ethernet, RTK GPS, Dedicated GPS, full size SmartCard or rugged fisher port
- Thermal Camera (for Laptop 3.5)
- Intel Real Sense Camera (D410)
- RTKGPS Model
- M2Z Model (Passport Reader-MSR)
- Black Cabinet Option

ACCESSORIES
- AC Adapter (3-prong) CF-AA373AM
- Standard Battery Pack FZ-VZSU94W
- Long Life Battery Pack FZ-VZSU95W
- 4- Bay Battery Charger FZ-VCBM11U
- LIND Car Adapter 120W CF-LN0DC120
- LIND Car Adapter/90W (with USB Port) CF-LN0ADDC90
- LIND Car Adapter/90W MIL-STD CF-LN0MLDC90
- Hard Strap with Stylus Holder FZ-VSTM11U
- Hand Strap (for Magstripe reader only) FZ-VSTM12U
- Panasonic Shoulder Strap FZ-VNOM12U
- ToughMate Always On M1 Case TBCM1AD-P
- ToughMate Holder TBCM1HE1R-P
- Gloved Multi Touch Stylus FZ-VNPM11AU
- Full Desktop Cradle (simultaneous display output) FZ-VEBM12AU
- Lite-function Desktop Cradle FZ-VEBM11AU
- Tether CF-VT002U
- "7" Gloved Multi Touch LCD Protective Film FZ-VPTM11U
- Vehicle Dock
  - Gamber-Johnson 7160-0531-02-P
  - Harris

INTEGRATED OPTIONS
- Thermal Camera (for Laptop 3.5)
- Intel Real Sense Camera (D410)
- RTKGPS Model
- M2Z Model (Passport Reader-MSR)
- Black Cabinet Option

ADDITIONAL MODEL OPTIONS
- Optional long life battery: 16 hours
- Choice of 450 LTE multi-carrier mobile broadband with satellite GPS, or dedicated GPS
- UHF 900MHz RFID reader (EPC Gen 2)
- Choice of 2D barcode reader, Ethernet, Serial, 2nd USB2.0
- Choice of insertable SmartCard, contactless SmartCard/NFC, magstripe
- Serial/Ethernet, full size SD Card&Ethernet, RTK GPS, Dedicated GPS, full size SmartCard or rugged fisher port

WARRANTY
- 3-year limited warranty, parts and labor

DIMENSIONS & WEIGHT
- 7.98"(L) x 5.20"(W) x 0.71"(H)
- 1.27 lbs.

Please consult your reseller or Panasonic representative before purchasing.

CAUTION: Do not expose bare skin to this product when handling this unit in extreme hot or cold environments.

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Panasonic is constantly enhancing product specifications and accessories. Specifications subject to change without notice. Trademarks are property of their respective owners.

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