Panasonic

Panasonic recommends Windows.

TOUGHPAD FZ-M1

- MIL-STD-810G, 5' Drop and All-weather IP65 Dust and Water-resistant Design

- User-replaceable Battery, Bridge Battery and Optional Long Life Battery

- Optional NFC, Ethernet, Serial, SmartCard, Magstripe and Barcode Reader[1,8,9]

- Wi-Fi, Bluetooth® and Optional Dedicated GPS[1,8] or 4G LTE Multi Carrier Mobile Broadband

- Industry leading driver packages for ease of deployment and support

- Additional Options; Flir Thermal Camera model, Real Sense Camera model, RTK/GPS model[1,8,9]

5-FOOT DROP RATING

IP65

MIL-STD-810G

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.

1.800.662.3537
us.panasonic.com/toughpad-fz-m1

PSC-M181017SS

TOUGHBOOK®

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-810G 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 ANSI/ISA 2.12.01-2013 Class I 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
  - 4MB cache

STORAGE & MEMORY
- 8GB SDRAM [LPDDR3]
- 256GB SSD with heaters[2]

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)[4]
- Dual monitor support
- 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-definable)
- 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)[1,9] — Type A
- MicroSDXC — UHS-I
- Optional 10/100/1000 Ethernet[1,9] — RJ-45

WIRELESS
- Optional 4G LTE multi carrier mobile broadband with satellite GPS[7]
- Optional GPS (u-blox NEO-M8N)[1,7,8]
- Optional dual high-gain antenna pass-through
- Intel® Dual Band Wireless-AC 8265 Wi Fi 802.11a/b/g/n/ac
- Bluetooth® v4.2 (Class 1)

POWER SUPPLY
- Li-Ion battery pack[3]:
  - Standard battery: 7.2V, typical 3220mAh, min. 3050mAh
  - Long life battery: 7.2V, typical 7100mAh, min. 6800mAh
- Battery operation[3]:
  - Standard battery: 8 hours
  - Optional long life battery: 16 hours
  - Standard bridge battery: 1 minute swap time
- Battery charging time[3]:
  - 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]: 1 minute hot swap time
- AC Adapter: AC 100V-240V 50/60Hz

SECURITY FEATURES
- Password Security: Supervisor, User, Hard Disk Lock
- Kensington cable lock slot
- Trusted platform module (TPM) security chip v 2.0[4]
- Persistence® technology by Absolute embedded in BIOS[8]
- Optional insertable SmartCard reader (half size or full size)[1,8]
- Optional contactless RFID and SmartCard/NFC reader[1,8]
  - ISO 14443 A/B compliant

WARRANTY
- 3-year limited warranty, parts and labor

DIMENSIONS & WEIGHT[5]
- 7.98"(L) x 5.20"(W) x 0.71"(H)
- 1.27 lbs.

INTEGRATED OPTIONS[1,6,7,8,9]
- Choice of 4G LTE multi carrier mobile broadband with satellite GPS, or dedicated GPS[1,7,8]
- Choice of 2D barcode reader, Ethernet, Serial, 2nd USB2.0[1,9]
- 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[1,8]

ADDITIONAL MODEL OPTIONS[6]
- Thermal Camera (Flir Lepton 3.5)[1]
- Intel Real Sense Camera (D410)
- RTK/GPS Model[8]
- Black Cabinet Option

ACCESSORIES[6]

AC Adapter (3-prong)	CF-AA6413AM
Standard Battery Pack	FZ-VZSU94W
Long Life Battery Pack	FZ-VZSU95W
4-Bay Battery Charger	FZ-VCBM11U
LIND Car Adapter 120W	CF-LNDDC120
LIND Car/AC Adapter 90W (with USB Port)	CF-LNDACDC90
LIND Car Adapter 90W MIL-STD	CF-LNDMLDC90
Hand Strap with Stylus Holder	FZ-VSTM11U
Rotating Hand Strap with Stylus Holder	FZ-VSTM12U
Hand Strap (for Magstripe reader only)	FZ-VSTM13U
Panasonic Shoulder Strap	FZ-VNSM12U
ToughMate Always-on M1 Case	TBCM1AO-P
ToughMate Holster	TBCM1HSTR-P
Gloved Multi Touch Stylus	FZ-VNPM11AU
Full Desktop Cradle (simultaneous display output)	FZ-VEBM12AU
Lite-function Desktop Cradle	FZ-VEBM11AU
Tether	CF-VNT002U
7" Gloved Multi Touch LCD Protective Film	FZ-VPFM11U
Vehicle Dock	
– Gamber-Johnson	7160-0531-02-P
– Havis	CF-H-PAN-906-P

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.

[1]Thermal camera is mutually exclusive with insertable SmartCard, contactless SmartCard/NFC, magstripe, 2D barcode, serial dongle, ethernet, 2nd USB port, Serial&Ethernet, full size SD card&Ethernet, RTK GPS, Dedicated GPS, full size SmartCard, rugged fisher port.

[2]1GB = 1,000,000,000 bytes. Total usable memory will be less depending upon actual system configuration.

[3]Battery performance features such as charge time and life span can vary according to the conditions under which the computer and battery are used. Battery operation and recharge times will vary based on many factors, including screen brightness, applications, features, power management, battery conditioning and other customer preferences. Battery testing results from MobileMark 2014.

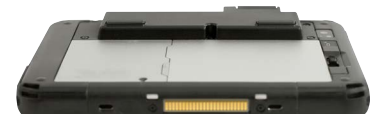[4]Requires software and activation to enable theft protection.

[5]Length measurements do not include protrusions or configurable options.

[6]Accessories and Integrated Options may vary depending on your configuration. Visit Panasonic website for more accessories and details.

[7]4G LTE and dedicated GPS (u-blox) are mutually exclusive.

[8]The following options are mutually exclusive; insertable SmartCard, contactless SmartCard/NFC, magstripe, Serial&Ethernet, full size SD card&Ethernet, RTK GPS, Dedicated GPS, full size SmartCard, rugged fisher port.

[9]The following options are mutually exclusive; 2D barcode reader, Ethernet, Serial, 2nd USB2.0.

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