



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 as well as Passport reader/MSR option^{1,8,9}



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.



800-373-5353
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Business Hours: (PST) M-F 8:00 AM - 5:00 PM



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SOFTWARE	<ul style="list-style-type: none"> Windows® 10 Pro 64-bit Panasonic Utilities (Including Dashboard), Recovery Partition Enterprise ready driver packages including CAB files and one-click driver bundles 												
DURABILITY	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Intel® Core™ i5-7Y57 Processor <ul style="list-style-type: none"> ~ 1.2 GHz up to 3.3 GHz with Intel® Turbo Boost Technology ~ 4MB cache 												
STORAGE & MEMORY	<ul style="list-style-type: none"> 8GB SDRAM [LPDDR3] 256GB SSD with heaters² 												
DISPLAY	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Built-in Directional Array Microphones Intel® High Definition Audio subsystem support Integrated speaker On-screen and button volume and mute controls 												
CAMERAS	<ul style="list-style-type: none"> Front: 2MP[USB] webcam with Dual Microphone Rear: 8MP MIPI, with Camera Flash LED 												
KEYBOARD & INPUT	<ul style="list-style-type: none"> 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	<table border="0"> <tr> <td>■ Docking connector</td> <td>24-pin</td> </tr> <tr> <td>■ Headphones/Mic</td> <td>3.5mm Jack, Stereo</td> </tr> <tr> <td>■ USB 3.0 [x 1]</td> <td>Type A</td> </tr> <tr> <td>■ Optional USB 2.0 [x 1]^{1,9}</td> <td>Type A</td> </tr> <tr> <td>■ MicroSDXC</td> <td>UHS-I</td> </tr> <tr> <td>■ Optional 10/100/1000 Ethernet^{1,9}</td> <td>RJ-45</td> </tr> </table>	■ 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
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WIRELESS	<ul style="list-style-type: none"> Optional 4G LTE multi carrier mobile broadband with satellite GPS⁷ 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	<ul style="list-style-type: none"> Li-Ion battery pack³: <ul style="list-style-type: none"> Standard battery: 7.2V, typical 3220mAh, min. 3050mAh Long life battery: 7.2V, typical 7100mAh, min. 6800mAh Battery operation³: <ul style="list-style-type: none"> Standard battery: 8 hours Optional long life battery: 16 hours Standard bridge battery: 1 minute swap time Battery charging time³: <ul style="list-style-type: none"> Standard battery: 2.5 hours off, 3.5 hours on Optional long life battery: 4.5 hours off, 6.5 hours on Bridge battery³: 1 minute hot swap time AC Adapter: AC 100V-240V 50/60Hz 												
SECURITY FEATURES	<ul style="list-style-type: none"> Password Security: Supervisor, User, Hard Disk Lock Kensington cable lock slot Trusted platform module (TPM) security chip v 2.0⁴ Persistence[®] technology by Absolute embedded in BIOS⁴ Optional insertable SmartCard reader [half size or full size]^{1,8} Optional contactless RFID and SmartCard/NFC reader^{1,8} <ul style="list-style-type: none"> ISO 14443 A/B compliant 												

WARRANTY	<ul style="list-style-type: none"> 3-year limited warranty, parts and labor
DIMENSIONS & WEIGHT⁵	<ul style="list-style-type: none"> 7.98"(L) x 5.20"(W) x 0.71"(H) 1.27 lbs.
INTEGRATED OPTIONS^{1,6,7,8,9}	<ul style="list-style-type: none"> 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 OPTIONS⁶	<ul style="list-style-type: none"> Thermal Camera [Flir Lepton 3.5]¹ Intel Real Sense Camera [D410] RTK/GPS Model⁸ MRZ Model [Passport Reader+MSR] Black Cabinet Option

ACCESSORIES⁶	<ul style="list-style-type: none"> AC Adapter [3-prong] CF-AA6373AM 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 TBCM1A0-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 <ul style="list-style-type: none"> - Gamber-Johnson 7160-0531-02-P - Havis CF-H-PAN-906-P
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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.
¹Thermal 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.
²1GB = 1,000,000,000 bytes. Total usable memory will be less depending upon actual system configuration.
³Battery 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.
⁴Requires software and activation to enable theft protection.
⁵Length measurements do not include protrusions or configurable options.
⁶Accessories and Integrated Options may vary depending on your configuration. Visit Panasonic website for more accessories and details.
⁷4G LTE and dedicated GPS [u-blox] are mutually exclusive.
⁸The 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.
⁹The following options are mutually exclusive: 2D barcode reader, Ethernet, Serial, 2nd USB2.0.



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