



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, UHF RFID and Barcode Reader¹
- Wi-Fi, Bluetooth[®] and Optional Dedicated GPS or 4G LTE Multi Carrier Mobile Broadband
- Industry leading driver packages for ease of deployment and support

5-FOOT
DROP RATING

IP65

MIL-STD-
810G

THE WORLD'S MOST CONFIGURABLE 7" WINDOWS[®] TABLET, WITH INTEL[®] 6TH GENERATION CORE M5 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.

1.800.662.3537

us.panasonic.com/toughpad-fz-m1

TOUGHPAD FZ-M1

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SOFTWARE	<ul style="list-style-type: none"> Windows® 10 Professional 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 class I division 2, groups ABCD certified model 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™ m5-6Y57 vPro™ Processor <ul style="list-style-type: none"> ~ 2.8GHz with Intel® Turbo Boost up to 2.3GHz ~ 4MB cache 		
STORAGE & MEMORY	<ul style="list-style-type: none"> 8GB SDRAM (LPDDR3) 256GB SSD with heaters² Optional OPAL encrypted SSD with heater 		
DISPLAY	<ul style="list-style-type: none"> 7" WXGA 1280 x 800 10-point capacitive gloved multi touch 500 nit IPS with direct bonding Anti-reflective (AR) and anti-glare (AG) screen treatments Intel® HD graphics 4200 video controller, max. 1664MB shared VRAM with Win 8 64-bit⁴ Dual monitor support Concealed mode (configurable) 		
AUDIO	<ul style="list-style-type: none"> Integrated microphone Realtek high-definition audio Integrated speaker On-screen and button volume and mute controls 		
CAMERAS	<ul style="list-style-type: none"> 720p webcam with mic with camera on/off indicator 8MP rear camera with auto-focus and LED light 		
KEYBOARD & INPUT	<ul style="list-style-type: none"> Stylus pen with integrated stylus holder Supports glove mode and rain mode 6 tablet buttons (2 user-definable) On-screen QWERTY keyboard 		
INTERFACE & EXPANSION	<table border="0"> <tr> <td> <ul style="list-style-type: none"> Docking connector Headphones/Mic USB 3.0 (x 1) Optional USB 2.0 (x 1) MicroSDXC Optional 10/100/1000 Ethernet </td> <td> <ul style="list-style-type: none"> 24-pin Mini-jack stereo Type A Type A UHS-I RJ-45 </td> </tr> </table>	<ul style="list-style-type: none"> Docking connector Headphones/Mic USB 3.0 (x 1) Optional USB 2.0 (x 1) MicroSDXC Optional 10/100/1000 Ethernet 	<ul style="list-style-type: none"> 24-pin Mini-jack stereo Type A Type A UHS-I RJ-45
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WIRELESS	<ul style="list-style-type: none"> Optional 4G LTE multi carrier mobile broadband with satellite GPS⁵ Optional GPS (u-blox NEO-M8N) Optional dual high-gain antenna pass-through Intel® Dual Band Wireless-AC 8260 Wi-Fi 802.11a/b/g/n/ac Bluetooth® v4.1 (Class 1) + EDR Security <ul style="list-style-type: none"> – Authentication: LEAP, WPA, 802.1x, EAP-TLS, EAP-FAST, PEAP – Encryption: CKIP, TKIP, 128-bit and 64-bit WEP, Hardware AES 		
POWER SUPPLY	<ul style="list-style-type: none"> Li-Ion battery pack: <ul style="list-style-type: none"> – Standard battery: 7.2V, typical 3220mAh, min. 3120mAh – Long life battery: 7.2V, typical 7100mAh, min. 6800mAh Battery operation⁶: <ul style="list-style-type: none"> – Standard battery: 9 hours – Optional long life battery: 16 hours – Standard bridge battery: 1 minute swap time Battery charging time⁶: <ul style="list-style-type: none"> – Standard battery: 2.5 hours off, 4 hours on – Optional long life battery: 4.5 hours off, 6.5 hours on Bridge battery: 1 minute hot swap time AC Adapter: AC 100V-240V 50/60Hz, auto sensing/switching worldwide power supply 		
POWER MANAGEMENT	<ul style="list-style-type: none"> Suspend/Resume Function, Hibernation, Standby 		
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 1.2⁸ Persistence⁹ technology by Absolute embedded in BIOS⁷ Optional insertable SmartCard reader (half size or full size)¹ Optional contactless RFID and SmartCard/NFC reader¹ <ul style="list-style-type: none"> – ISO 15693 and 14443 A/B compliant 		

WARRANTY	<ul style="list-style-type: none"> 3-year limited warranty, parts and labor 		
DIMENSIONS & WEIGHT³	<ul style="list-style-type: none"> 7.98"(L) x 5.20"(W) x 0.71"(H) 1.2 lbs. 		
INTEGRATED OPTIONS⁹	<ul style="list-style-type: none"> Choice of 4G LTE multi carrier mobile broadband with satellite GPS, or dedicated GPS UHF 900MHz RFID reader (EPC Gen 2)¹ Choice of 1D/2D barcode reader (EA30), serial dongle, Ethernet, or 2nd USB 2.0 port¹⁰ Choice of magstripe reader (rotating hand strap included), insertable half-size SmartCard reader, contactless SmartCard/NFC reader or UHF 900MHz RFID reader (EPC Gen2)¹ 		
ACCESSORIES¹¹	<table border="0"> <tr> <td> <ul style="list-style-type: none"> AC Adapter (3-prong) Standard Battery Pack Long Life Battery Pack 4-Bay Battery Charger LIND Car Adapter 120W LIND Car/AC Adapter 90W (with USB Port) LIND Car Adapter 90W MIL-STD Hand Strap with Stylus Holder Rotating Hand Strap with Stylus Holder Hand Strap (for Magstripe reader only) Panasonic Shoulder Strap ToughMate Always-on M1 Case ToughMate Holster ToughMate Portfolio Case Gloved Multi Touch Stylus Cradlepoint Router <ul style="list-style-type: none"> – Verizon – AT&T Full Desktop Cradle (simultaneous display output) Lite-function Desktop Cradle Tether 7" Gloved Multi Touch LCD Protective Film </td> <td> <ul style="list-style-type: none"> CF-AA6373AM FZ-VZSU94W FZ-VZSU95W FZ-VCBM11U CF-LNDDC120 CF-LNDACDC90 CF-LNDMLDC90 FZ-VSTM11U FZ-VSTM12U FZ-VSTM13U FZ-VNSM12U TBCM1A0-P TBCM1HSTR-P TBCM1PFLUO-BLK-P FZ-VNPM11U CP-IBR1100LPE-VZ CP-IBR1100LPE-AT FZ-VEBM12AU FZ-VEBM11U CF-VNT002U FZ-VPFM11U </td> </tr> </table>	<ul style="list-style-type: none"> AC Adapter (3-prong) Standard Battery Pack Long Life Battery Pack 4-Bay Battery Charger LIND Car Adapter 120W LIND Car/AC Adapter 90W (with USB Port) LIND Car Adapter 90W MIL-STD Hand Strap with Stylus Holder Rotating Hand Strap with Stylus Holder Hand Strap (for Magstripe reader only) Panasonic Shoulder Strap ToughMate Always-on M1 Case ToughMate Holster ToughMate Portfolio Case Gloved Multi Touch Stylus Cradlepoint Router <ul style="list-style-type: none"> – Verizon – AT&T Full Desktop Cradle (simultaneous display output) Lite-function Desktop Cradle Tether 7" Gloved Multi Touch LCD Protective Film 	<ul style="list-style-type: none"> CF-AA6373AM FZ-VZSU94W FZ-VZSU95W FZ-VCBM11U CF-LNDDC120 CF-LNDACDC90 CF-LNDMLDC90 FZ-VSTM11U FZ-VSTM12U FZ-VSTM13U FZ-VNSM12U TBCM1A0-P TBCM1HSTR-P TBCM1PFLUO-BLK-P FZ-VNPM11U CP-IBR1100LPE-VZ CP-IBR1100LPE-AT FZ-VEBM12AU FZ-VEBM11U CF-VNT002U FZ-VPFM11U
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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.
¹UHF RFID is mutually exclusive with insertable SmartCard, contactless SmartCard/NFC, magstripe, 1D/2D barcode, serial dongle, ethernet, and 2nd USB 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 2007.
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.
⁷TPM 2.0 available upon request - please contact your Panasonic representative.
⁸4G LTE and dedicated GPS (u-blox) are mutually exclusive.
⁹Insertable SmartCard, Contactless SmartCard/NFC, magstripe, UHF-RFID readers are mutually exclusive.
¹⁰1D/2D barcode reader, serial dongle, ethernet and 2nd USB (2.0) are mutually exclusive.



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