



Panasonic recommends Windows 10 Pro.

## TOUGHPAD FZ-G1

- 6th Generation Intel® Core™ i5 vPro™ Processor
- Daylight-readable Display with Gloved Multi Touch + Digitizer
- Up to 28 Hours of Use with an Optional Long Life Battery<sup>1</sup>
- Integrated Bridge Battery, SmartCard, 2D Barcode, RFID, Dedicated GPS, Serial Options and More<sup>2,3</sup>
- Certified for Use in Hazardous Locations (Class I Division 2)<sup>4,12</sup>
- 3-year Warranty with Business Class Support

4-FOOT  
DROP RATING

IP65

MIL-STD-  
810G

## ONE OF THE WORLD'S THINNEST AND LIGHTEST FULLY RUGGED 10.1" WINDOWS 10 PRO TABLET.

The Toughpad FZ-G1 Windows 10 Pro tablet offers a fluid user experience while providing crucial port connectivity and feature-rich options in a compact size. Designed for highly mobile field workers, it's the thinnest and lightest fully rugged 10.1" tablet running Windows 10 Pro. Powered by an Intel® Core™ i5 vPro™ processor with a MIL-STD-810G and IP65 certified design, the Toughpad FZ-G1 tablet leads the way in rugged mobile computing. Add to that an HD daylight-readable 10-point gloved multi touch + digitizer screen, and it becomes an essential tool for field workers.

# TOUGHPAD FZ-G1

Panasonic recommends Windows 10 Pro.

## SOFTWARE

- Windows 10 Pro (Windows 7 Professional available through downgrade rights from Windows 10 Pro)
- Panasonic Utilities (including Dashboard), Recovery Partition

## DURABILITY

- MIL-STD-810G certified (4' drop, shock, vibration, rain, dust, sand, altitude, freeze/thaw, high/low temperature, temperature shock, humidity, explosive atmosphere)
- IP65 certified sealed all-weather design
- Optional class I division 2, groups ABCD certified mode
- Solid state drive heater
- Magnesium alloy chassis encased with ABS and elastomer corner guard
- Optional rotating hand strap
- Port covers
- Raised bezel for LCD impact protection
- Pre-installed replaceable screen film for LCD protection

## CPU

- Intel® Core™ i5-6300U vPro™ Processor
  - 2.4GHz with Turbo Boost up to 3GHz
  - Intel Smart Cache 3MB

## STORAGE & MEMORY

- 8GB DDR3L SDRAM<sup>5,6</sup>
  - Up to 64GB additional storage with optional microSD card slot<sup>5,6</sup>
- 128GB or 256GB solid state drive (SSD) with heater<sup>5,6</sup>
- Optional 512GB<sup>5,6,13</sup>

## DISPLAY

- 10.1" WUXGA 1920 x 1200 with LED backlighting
- 10-point capacitive multi touch + digitizer daylight-readable screen
  - 2-800 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® HD Graphics 5500 video controller, max. 4168MB shared VRAM with Windows 10 Pro 64 bit<sup>7</sup>
- Concealed mode (configurable)

## AUDIO

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

## CAMERAS

- 720p webcam with mic
- 8MP rear camera with auto focus and LED light

## KEYBOARD & INPUT

- 10-point multi touch + digitizer screen
  - Supports bare hand touch and gestures and electronic stylus pen
  - Supports glove mode and wet touch mode
- 7 tablet buttons (2 user-definable)
- On-Screen QWERTY keyboard
- Electrostatic touchpad with multi touch

## EXPANSION SLOTS

- Optional MicroSD

## INTERFACE

- Docking connector 24-pin
- HDMI Type A
- Optional VGA<sup>2</sup> D-sub 15-pin
- Headphones/speaker Mini-jack stereo
- Optional Serial Dongle<sup>3</sup> D-sub 9-pin
- USB 3.0 (x 1)<sup>2,3</sup> 4-pin
- Optional 2nd USB 2.0<sup>3</sup> 4-pin
- Optional 10/100/1000 Ethernet<sup>3</sup> RJ-45

## WIRELESS

- Optional integrated 4G LTE multi carrier mobile broadband with satellite GPS
- Optional GPS (U-blox 8)<sup>8</sup>
- Intel® Dual Band Wireless AC8260 Wi-Fi 802.11a/b/g/n/ac
- Bluetooth® v4.1 (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
- Dual high-gain antenna pass-through

## POWER SUPPLY

- Li-Ion battery pack:
  - Standard battery: Li-ion 11.1 V, 4200 mAh (typ.), 4080 mAh (min.)
  - Optional long life battery<sup>11</sup>: Li-ion 10.8V, 9300mAh(typ.), 8700mAh (min.)
- Battery operation<sup>1</sup>:
  - Standard battery: 14 hours
  - Optional long life battery<sup>11</sup>: 28 hours
- Battery charging time<sup>1</sup>:
  - Standard battery: 2.5 hours off, 3 hours on
  - Optional long life battery<sup>11</sup>: 3 hours off, 4 hours on
- Optional bridge battery<sup>9</sup> (1 minute swap time)

## POWER MANAGEMENT

- Suspend/Resume Function, Hibernation, Standby

## SECURITY FEATURES

- Password Security: Supervisor, User, Hard Disk Lock
- Kensington cable lock slot
- Trusted platform module (TPM) security chip v.2.0<sup>14</sup>
- Absolute® Data Device Security (DDS) theft protection agent in BIOS<sup>9</sup>
- Intel® Anti-Theft Technology
- Insertable SmartCard reader<sup>2,8</sup>
  - ISO 15693 and 14443 A/B compliant

## WARRANTY

- 3-year limited warranty, parts and labor

## DIMENSIONS & WEIGHT<sup>10</sup>

- 10.6"(L) x 7.4"(W) x 0.8"(H)
- 2.4 lbs. (standard battery)
- 3.0 lbs. (optional long life battery)<sup>8</sup>

## INTEGRATED OPTIONS<sup>11</sup>

- 4G LTE multi carrier mobile broadband with satellite GPS
- Choice of 1D/2D barcode reader (EA11 or EA21), GPS (U-blox 8), True Serial with Dongle, Ethernet, microSD or 2nd USB 2.0 port<sup>3</sup>
- Choice of bridge battery (thin cover and medium corner guards), insertable SmartCard reader, insertable SmartCard reader with bridge battery, contactless SmartCard reader or UHF 900MHz RFID reader (EPC Gen 2)<sup>12</sup>

## HAZARDOUS LOCATION CERTIFICATIONS<sup>12</sup>

- ANSI/ISA 2.12.01-2013
  - Optional class I division 2, groups ABCD certified model

## SELECT ACCESSORIES<sup>5</sup>

- AC Adapter (3-prong) CFAA6413CM
- Standard Battery Pack FZVZSU84U
- Long Life Battery Pack<sup>8</sup> FZVZSU88U
- Single Battery Charger CFVCBTB3WG
- LIND 3-Bay Battery Charger FZLND3BAYG1
- LIND Car Adapter 120W CFLNDCC120
- LIND Car/AC Adapter 90W (with USB port) CFLNDACDC90
- LIND Car Adapter 90W MIL-STD CFLNDMLDC90
- ToughMate G1 Always-on Case (with hand strap) TBCG1A0NLP
- ToughMate G1 Always-on Case (with hand strap) TBCG1A0NLP
- ToughMate G1 Professional Portfolio TBCG1PFLIOBLKP
- ToughMate G1 "X" Hand Strap TBCG1XSTPP
- Desktop Cradle FZVEBG11AU
- Tether FZVNTG11U
- 10.1" LCD Protective Film FZVPFG11U
- Waterproof Replacement Stylus FZVNP612U

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.

<sup>1</sup> Approximate time. 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.

<sup>2</sup> Bridge battery, magstripe reader, insertable SmartCard reader, contactless SmartCard reader and UHF RFID reader are mutually exclusive. Please note, USB 3.0 port cannot be accessed when the unit is equipped with the magstripe reader, but optional USB 2.0 port can be accessed.

<sup>3</sup> GPS, Serial Dongle, Ethernet, microSD, 2nd USB port are mutually exclusive options.

<sup>4</sup> Please refer to cleaning and maintenance instructions in the user guide.

<sup>5</sup> 1GB = 1,000,000,000 bytes.

<sup>6</sup> Total usable memory will be less depending upon actual system configuration.

<sup>7</sup> The size of the VRAM cannot be set by the user and varies by operating system as well as size of RAM. Windows 10 Pro max. VRAM is 4168MB.

<sup>8</sup> Includes tall corner guards and rotating hand strap.

<sup>9</sup> Requires software and activation to enable theft protection.

<sup>10</sup> Length measurements do not include protrusions. Weight varies with options and digitizer pen.

<sup>11</sup> Accessories and Integrated Options may vary depending on your configuration. Visit Panasonic website for more accessories and details.

<sup>12</sup> Hazardous location certifications may not apply to all configurations. Consult your Panasonic representative for availability.

<sup>13</sup> Special Order

<sup>14</sup> TPM 2.0 available upon request



**TOUGHPAD**

1.866.413.3099

business.panasonic.ca

Panasonic is constantly enhancing product specifications and accessories. Specifications subject to change without notice. Trademarks are property of their respective owners. ©2017 Panasonic Corporation of North America. All rights reserved. Toughpad FZ-G1 mk4 Spec Sheet\_01/2017