Panasonic

TOUGHPAD FZ-G1

- 4th Generation Intel® Core™ i5 vPro™ Processor

- Daylight-readable Display with Gloved Multi Touch + Digitizer

- Up to 20 Hours of Use with an Optional Long Life Battery[1]

- Integrated Bridge Battery, SmartCard, 2D Barcode, Magstripe, RFID, Serial Options and More[2,3]

- Certified for Use in Hazardous Locations (Class I Division 2)[4]

- 3-year Warranty with Business Class Support

4-FOOT DROP RATING

IP65

MIL-STD-810G

THE WORLD'S THINNEST AND LIGHTEST FULLY-RUGGED 10.1" WINDOWS® 8.1 PRO TABLET.

The Toughpad® FZ-G1 Windows® 8 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® 8. Powered by an Intel® Core™ i5 vPro™ processor with a MIL-STD-810G and IP65 certified design, the Toughpad FZ-G1 Windows® 8 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.

1.800.662.3537
panasonic.com/toughpad/G1

TOUGHPAD®

TOUGHPAD FZ-G1 Start

Panasonic recommends Windows.

SOFTWARE	■ Windows® 8.1 Pro 64-bit (available Windows® 7 Professional downgrade option) ■ 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 model ■ Solid state drive heater ■ Magnesium alloy chassis encased with ABS and elastomer corner guards ■ Optional rotating hand strap ■ Port covers ■ Raised bezel for LCD impact protection ■ Pre-installed replaceable screen film for LCD protection
CPU	■ Intel® Core™ i5-4310U vPro™ Processor – 2.0GHz with Turbo Boost up to 3.0GHz – Intel Smart Cache 3MB
STORAGE & MEMORY	■ 8GB[5,6] – Up to 64GB additional with optional microSD card ■ Optional 128GB and 256GB solid state drives (SSD) with heaters[5,6] ■ Optional 128GB and 256GB Self Encrypting Drives (Opal specification) (Available Summer 2014)[5,6]
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® QM77 video controller, max. 1792MB shared VRAM with Win 8 64-bit[7] ■ Concealed mode (configurable)
AUDIO	■ Integrated microphone ■ Realtek high-definition audio ■ Integrated speaker ■ On-screen and button volume and mute controls
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) ■ Integrated stylus holder ■ On-screen QWERTY keyboard
CAMERAS	■ 720p webcam with mic ■ 8MP rear camera with auto focus and LED light
EXPANSION	■ Optional MicroSD[5]
INTERFACE	■ Docking connector 24-pin ■ HDMI Type A ■ Headphones/speaker Mini-jack stereo ■ Optional Serial Dongle[3] D-sub 9-pin ■ USB 3.0 (x 1)[2,3] 4-pin ■ Optional 2nd USB 2.0[3] 4-pin ■ Optional 10/100/1000 Ethernet[3] RJ-45
WIRELESS	■ Optional integrated 4G LTE multi carrier mobile broadband with satellite GPS ■ Optional GPS (U-blox 8)[3] ■ Intel® Dual Band Wireless AC7260 Wi-Fi 802.11a/b/g/n/ac ■ Bluetooth® v4.0 (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: 10.8V, typical 4400mAh, minimum 4100mAh) – Long life battery[8]: 10.8V, typical 9300mAh, minimum 8700mAh) ■ Battery operation[1]: – Standard battery: 10 hours – Optional long life battery[8]: 20 hours ■ Battery charging time[1]: – Standard battery: 2.5 hours off, 3 hours on – Optional long life battery[1]: 3 hours off, 4 hours on ■ Optional 7.5Wh bridge battery (10 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.1.2 ■ Computrace® theft protection agent in BIOS[9] ■ Intel® Anti-Theft Technology ■ Insertable SmartCard reader[2,8] – ISO 15693 and 14443 A/B compliant
WARRANTY	■ 3-year limited warranty, parts and labor
DIMENSIONS & WEIGHT[10]	■ 10.6˝(L) x 7.4˝(W) x 0.8˝(H) ■ 2.4 lbs. (standard battery) ■ 3.0 lbs. (optional long life battery)[8]

INTEGRATED OPTIONS[11]
■ 4G LTE multi carrier mobile broadband with satellite GPS
■ Choice of 1D/2D barcode reader (EA11 or EA21), GPS (U-blox 8), Serial Dongle, Ethernet, MicroSD or 2nd USB 2.0 port[3]
■ Choice of bridge battery, magstripe reader, insertable SmartCard reader, contactless SmartCard reader or UHF 900MHz RFID reader (EPC Gen 2)[2]

HAZARDOUS LOCATION CERTIFICATIONS[12]
■ ANSI / ISA 2.12.01-2013
– Optional Class I division 2, groups ABCD certified model

ACCESSORIES[11]
■ AC Adapter (3-prong)	CF-AA6413CM
■ Standard Battery Pack	FZ-VZSU84U
■ Long Life Battery Pack[8]	FZ-VZSU88U
■ Long Life Battery Bundle (includes rotating hand strap and corner guard set)	FZ-BNDLG1LL1ST1CG4
■ Single Battery Charger Bundle	FZ-BNDLG1BATCHRG
■ LIND 3-Bay Battery Charger	FZ-LND3BAYG1
■ LIND Car Adapter 120W	CF-LNDDC120
■ LIND Car/AC Adapter 90W (with USB port)	CF-LNDACDC90
■ LIND Car Adapter 90W MIL-STD	CF-LNDMLDC90
■ Tall Corner Guard Set	FZ-WCGG111
■ Rotating Hand Strap and Corner Guard Set Bundle	FZ-BNDLG1ST1CG4
■ ToughMate G1 Always-on Case (w/hand strap)	TBCG1AONL-P
■ ToughMate G1 Professional Portfolio	TBCG1PFLIO-BLK-P
■ ToughMate G1 "X" Hand Strap	TBCG1XSTP-P
■ Desktop Cradle	FZ-VEBG11U
■ Vehicle Docks (no pass-through)	
– Gamber-Johnson	7160-0486-00-P
– Havis with LIND power supply	CF-H-PAN-702-P
■ Vehicle Docks (dual pass-through)	
– Gamber-Johnson	7160-0486-02-P
– Havis with LIND power supply	CF-H-PAN-702-2-P
■ Replacement Digitizer Pen	FZ-VNPG11U
■ Tether	FZ-VNTG11U
■ 10.1" LCD Protective Film	FZ-VPFG11U

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] 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.

[2] 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.

[3] GPS, Serial Dongle, Ethernet, MicroSD, 2nd USB port are mutually exclusive options.

[4] Please refer to cleaning and maintenance instructions in the user guide.

[5] 1GB = 1,000,000,000 bytes.

[6] Total usable memory will be less depending upon actual system configuration.

[7] The size of the VRAM cannot be set by the user and varies by operating system as well as size of RAM. Windows 7 max. VRAM is 1555MB.

[8] Includes tall corner guards and rotating hand strap.

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

[10] Length measurements do not include protrusions. Weight varies with options and digitizer pen.

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

[12] Hazardous location certifications may not apply to all configurations. Consult your Panasonic representative for availability.

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