

# Panasonic

THE WORLD'S FIRST FULLY-RUGGED 7" WINDOWS® 8 TABLET WITH AN INTEL® CORE™ i5-4302Y PROCESSOR (DUAL CORE)

Offering the power of a PC in the palm of your hand.

The Panasonic FZ-M1 is the world's thinnest and lightest fully-rugged 7" Windows® tablet, built to enable mission-critical mobile worker productivity without compromise. Powered by Windows® 8.1 Pro and a choice of two Intel® processors, the M1 features a long life, user-replaceable battery and a daylight-readable, high-sensitivity multi touchscreen for use with heavy gloves.



## Rugged and Reliable

- MIL-STD-810G, 5' Drop and All-weather IP65 Dust and Water-resistant Design
- User-replaceable Battery, Bridge Battery and Optional Long Life Battery
- USB 3.0, Optional NFC, Ethernet, Serial, SmartCard, Magnetic Stripe and Barcode Reader
- Wi-Fi, Bluetooth® or 4G LTE Multi Carrier Mobile Broadband
- Protection Plus Warranty

## Find Out More NOW!

For more info or to locate a dealer near you-

**call - +31 (0) 36 750 1781**

**[www.carlsonsw.com/civil](http://www.carlsonsw.com/civil)**

**[www.carlsonEMEA.com](http://www.carlsonEMEA.com)**

# FZ-M1

Now Available from  
**Carlson**

Bundled with Carlson SurvPC - the Windows-based data collection program - with the option of running with the Esri OEM program for use in the field. Or use in the office with any Carlson office software.



# Carlson

Europe ■ Middle East ■ Africa

Markerkant 1338 | 1314 AN Almere | The Netherlands

## PANASONIC FZ-M1 Accesories (Carlson only)



### Stocked by Carlson

- Seco's X-Grip Cradle
- Rugged Qwerty keyboard
- Extra long-life battery
- Extra Stylus with tether

### Special Order

- Desktop dock (Ethernet, USB, HDMI, VGA and battery charging slots)
- AC Adapter
- Vehicle Mount



### iKey Folding Keyboard



### DURABILITY

- MIL-STD-810G design (5' drop, shock, vibration, rain, dust, sand, altitude, freeze/thaw, high/low temp., temperature shock, humidity, explosive atmosphere)
- IP65 certified sealed all-weather fanless design
- 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

### SOFTWARE

- Windows® 8.1 Pro 64-bit (with Windows® 7 downgrade option) (Intel® Core™ i5 model)
- Panasonic Utilities (including Dashboard), Recovery Partition

### CPU

- Intel® Core™ i5-4302Y vPro™ Processor - 1.6GHz with Intel® Turbo Boost up to 2.3GHz - 3MB cache

### STORAGE & MEMORY

- Intel® Core™ i5 model:
  - 8GB SDRAM (DDR3L-1333MHz)<sup>2,3</sup>
  - Up to 64GB additional with optional microSDXC card
  - 128GB and 256GB solid state drives (SSD) with heaters<sup>2</sup>

### DISPLAY

- 7" WXGA 1280 x 800 with LED backlighting
- 10-point capacitive multi touch daylight-readable screen
  - 500 nit
  - IPS display with direct bonding
  - Anti-reflective screen treatment
  - Ambient light sensor, digital compass, gyro and acceleration sensors
  - Automatic screen rotation
  - Intel® HD graphics 4200 video controller, max. 1664MB shared VRAM with Win 8 64-bit<sup>4</sup>
- 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
  - Supports gloved touch and gestures and capacitive stylus pen
- 6 tablet buttons (2 user-definable)
- Stylus pen with integrated holder in rotating hand strap
- On-screen QWERTY keyboard

### CAMERAS

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

### EXPANSION

- MicroSDXC

### INTERFACE

- Docking connector 24-pin
- Headphones/speaker Mini-jack stereo
- USB 3.0 (x 1) 4-pin

### WIRELESS

- Optional integrated 4G LTE multi carrier mobile broadband with satellite GPS
- 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
- Optional dual high-gain antenna pass-through

### POWER SUPPLY

- Li-Ion battery pack:
  - Standard battery: 7.2V, typical 3220mAh, minimum 3120mAh
  - Long life battery: 7.2V, typical 7100mAh, minimum 6800mAh
- Battery operation<sup>5</sup>:
  - Standard battery: 8 hours
  - Optional long life battery: 16 hours
  - Bridge battery: 30 seconds
- Battery charging time<sup>5</sup>:
  - Standard battery: 2.5 hours off, 3 hours on
  - Optional long life battery: 4.5 hours off, 5 hours on

### 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<sup>6</sup>
- Intel® Anti-Theft Technology
- Optional insertable SmartCard reader<sup>1</sup>
- Optional contactless RFID and SmartCard reader<sup>1</sup>

### WARRANTY

- Protection Plus Warranty

### DIMENSIONS & WEIGHT<sup>7</sup>

- 20,3 cm(L) x 13,2 cm(W) x 1,8 cm(H)
- 0,54 kg

### INTEGRATED OPTIONS<sup>8</sup>

- Available upgrade packages<sup>1</sup>:
  - Bridge battery only and 1D/2D barcode reader (EA30) or LAN or serial
  - SmartCard reader (half-insertable) and bridge battery, 1D/2D barcode reader (EA30), LAN, serial or 2nd USB
  - Magnetic stripe reader and bridge battery, 1D/2D barcode reader (EA30), LAN, serial or 2nd USB
  - HF/RFID 13.56MHz reader (ISO 15693 and 14443 A/B compliant and bridge battery, 1D/2D barcode reader, LAN, serial or 2nd USB
  - UHF/RFID 900MHz EPC Gen2 reader

### ACCESSORIES<sup>8</sup>

- AC Adapter (3-prong) CF-AA6373AM
- Standard Battery Pack FZ-VZSU94W
- Long Life Battery Pack FZ-VZSU95W
- Multi-battery Charger FZ-VCBM11U
- Standard Hand Strap with Stylus Holder and Tether FZ-VSTM11AU
- Rotating Hand Strap with Stylus Holder and Tether FZ-VSTM12AU
- Capacitive Replacement Stylus FZ-VNPM11U
- Desktop Cradle FZ-VEBM12AU
- Lite-function Cradle FZ-VEBM11AU
- Replacement Protection Film FZ-VPFM11U

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 Mutually exclusive option.
- 2 1GB = 1,000,000,000 bytes.
- 3 Total usable memory will be less depending upon actual system configuration.
- 4 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 1544MB.
- 5 Approximate time. 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 2007.
- 6 Requires software and activation to enable theft protection.
- 7 Length measurements do not include protrusions or configurable options.
- 8 Accessories and Integrated Options may vary depending on your configuration. Visit Panasonic website for more accessories and details.