THE WORLD’S MOST RUGGED 5” HANDHELD TABLET, WITH VOICE AND DATA TECHNOLOGY.

The new Panasonic Toughpad® FZ-E1 is the world’s most rugged 5” handheld tablet, with optional data and voice technology. This fully-rugged tablet is MIL-STD-810G and IP65/68 tested with a 10’ drop resistance, operating temperature of -4°F to 140°F and a glove-enabled multi touch daylight-readable display. The Toughpad FZ-E1 boasts the world’s longest battery life for a handheld tablet, with 14 hours of continuous data access. The battery quickly charges to 50% in just one hour, and is hot-swappable. Customized options include integrated barcode reader, magstripe reader and certified ANSI 12.12.01 for hazardous locations.
DURABILITY
- World’s most rugged design
- MIL-STD-810G (shock, vibration, rain, dust, sand, altitude, freeze/thaw, high/low temperature, temperature shock, humidity, explosive atmosphere)
- IP56 and IP66 sealed all-weather design (submersible up to 5’ for 30 minutes)
- 10° drop-resistant
- Operating temperature of -4°F to 140°F
- Port covers
- Raised bezel for LCD impact protection

SOFTWARE
- Windows® Embedded 8.1 Handheld

CPU
- Qualcomm® MSM8974AB 2.3GHz Quad-core

STORAGE & MEMORY
- Memory 2GB1
- Storage 32GB1
- Up to 64GB additional with optional microSDXC card2

DISPLAY
- 5” high definition 1280 x 720 daylight-viewable display
- 10-point capacitive gloved multi touch with glove touch mode
- Rain sensing touch mode
- 2,500 nits
- VA display with direct bonding
- Anti-reflective and anti-glare screen treatments
- Automatic screen rotation

AUDIO
- Integrated microphone x 3
- Loud volume twin speakers 100 db

KEYBOARD & INPUT
- 10-point gloved multi touch + digitizer screen
- 2-4 tablet buttons (user-definable)
- On-screen QWERTY keyboard

SENSORS
- Ambient light sensor, digital compass, gyro and acceleration sensors

CAMERAS
- HD 1.3MP webcam
- 8MP rear camera with LED light

EXPANSION
- microSDXC

INTERFACE
- Docking connector: 13-pin
- USB 2.0 (x 1): 4-pin
- Headphone & microphone: Mini-jack stereo

WIRELESS
- IEEE802.11 a/b/g/n/ac
- 4G LTE, HSPA+, UMTS, EDGE, GPRS, CDMA 1x, EVDO Rev.A
- Micro SIM card slot x 2
- Bluetooth® v4.0 (class 1)
- MicroSDXC card
- GPS 2m CEP50 (±2 to 4m)
- Near Field Communication (NFC)
- Ambient light sensor, digital compass, gyro and acceleration sensors

POWER SUPPLY5
- Li-Ion battery pack 3.8V, 6200mAh
- Battery operation:
  - Standby: up to 1000 hours; Talk up to 23 hours; Barcode up to 20.5 hours
  - 30 seconds to 2 minutes
  - Continous use data:
  - 14 hours
  - Battery charging time:
  - Power on approx. 3.6 hours; 50% charge in approx. 1 hour

POWER MANAGEMENT
- Consumption approx. 18W
- Hot-swappable battery

SECURITY FEATURES
- FIPS140-2 level-1 compliant
- ARM® TrustZone® (Built-in)

WARRANTY
- 3-year limited warranty, parts and labor

DIMENSIONS & WEIGHT6
- 6.5”(L) x 3.4”(W) x 1.2”(H)
- Approx. 0.94 lb.

INTEGRATED OPTIONS7
- Optional 1D/2D barcode reader
- Optional magnetic stripe reader with hand strap and stylus

ACCESSORIES7
- AC Adapter (60W) for Device and Desktop Cradle® (sold separately from device, included with cradle)
- AC Adapter (110W) for 4-Bay Cradle and 4-Bay Battery Charger (included with both cradles)
- Car/DC Adapter
- Desktop Cradle with Spare Battery Charging Slot (60W power adapter included)
- 4-Bay Cradle (110W power adapter included)
- 4-Bay Battery Charger (110W power adapter included)
- Hand Strap with Stylus (corner rings included)
- Holster and Belt
- Battery Pack
- Shoulder Strap (corner rings included)
- Vehicle Dock

Please consult your reseller or Panasonic representative before purchasing.

1 1GB = 1,000,000,000 bytes.
2 Operation has been tested and confirmed using Panasonic SD Memory Card with a capacity of up to 32GB, Panasonic SDHC Memory Card with a capacity of up to 32GB, and Panasonic SDXC Memory Card with a capacity of up to 64GB. Operation on other SD equipment is not guaranteed.
3 Operation on other SD equipment is not guaranteed.
4 Does not guarantee operation of all USB-compatible peripherals.
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 exchange times will vary based on many factors, including screen brightness, applications, features, power management, battery conditioning and other customer preferences. 14 hours based on Panasonic test conditions. Talk time may change according to cellular network conditions. Measured with VOIP application.
6 Length measurements do not include protrusions. Weight varies with options.
7 Accessories and Integrated Options may vary depending on your configuration. Visit Panasonic website for more accessories and details.

Panasonic recommends Windows.