



TOUGHPAD FZ-E1

5" HANDHELD TABLET WITH BCR*, DATA & VOICE

The Toughpad FZ-E1 brings together the best of handheld, smartphone and Barcode reader* functionality into a single rugged and hard working 5" tablet. It is the ideal tool for mobile workers in the transportation & logistics, postal services, MoD, emergency & public safety, utilities, retail and manufacturing sectors. Thanks to its fully-rugged design with MIL-STD-810G certification, IP68 ratings and 3 meter drop resistance, the FZ-E1 promises a long life span and very low TCO. With operating temperatures of -20°C to +60°C, glove & rain-enabled daylight-readable display and a high capacity 6200mAh battery, field workers can operate anywhere, anytime and for as long as they need.

- Windows 10 IoT Mobile Enterprise
- 4G LTE / 3G Data and Voice capability
- Qualcomm® MSM8974AB 2.3 GHz Quad-core processor
- 2 GB RAM and 32GB flash storage
- 5" HD (1280 x 720) daylight-readable display with Glove & Rain mode
- MIL-STD 810G certified with 3 meter drop** resistance
- IP68 rated (Submersible in water up to 1.5 meters for 30 minutes)
- -20°C to +60°C operating temperature
- User replaceable high capacity battery with hot swap function
- Up to 14 hours continuous data access time; up to 23 hours talk time; up to 1000 hours standby time
- Integrated 1D/2D Barcode reader*
- Enterprise level security (FIPS140-2 level-1 compliant & Built-in ARM® TrustZone®)
- 3 microphones for intelligent noise cancellation
- Loud volume twin speakers (up to 100 dB)
- 2 user configurable buttons (for shortcut to applications)

*Optional

** Tested at Panasonic factory

TOUGHPAD

 Windows 10

www.toughbook.eu

BIG ABILITY. SMALL DIMENSIONS.

FULLY FEATURED 5" HANDHELD TABLET

Despite its small 5" display form factor, the FZ-E1 comes packed with the ability of a smartphone, handheld and barcode reader* in a fully rugged IP68 water & dust proof design. Its state of the art Qualcomm® 2.3 GHz quadcore processor together with 2GB RAM guarantees high performance. The user replaceable and hot swappable 6200 mAh battery comes as standard and offers an amazing 14 hours of continuous data access; 23 hours talk time or 1000 hours in standby



| | | |
|---------------------------|---|---|
| Mobile Computing Platform | Qualcomm® MSM8974AB 2.3 GHz Quad-core processor | |
| Operating system | Windows 10 IoT Mobile Enterprise | |
| RAM | 2 GB | |
| Graphics | Adreno 330 | |
| Display | 5" HD (1280 x 720) display | |
| | 10 point multi touch capacitive touchscreen with glove and rain modes | |
| | Daylight viewable (up to 500 cd/m2) | |
| | Anti-reflective and anti-glare screen treatments | VA display with direct bonding |
| Storage | 32 GB eMMC | |
| Storage expansion | micro SDXC card slot (max. 64 GB) | |
| | 3 mics (2x Front & 1x Rear) | |
| | 2x Loud volume speaker (up to 100 dB) | |
| Camera | Rear: | 8 MP rear camera with LED light |
| | Front: | 1.3 MP |
| Sensors | Ambient light sensor, digital compass, gyro and acceleration sensors | |
| Power | Battery: | Li-ion 3.8V, 6200 mAh |
| | | User replaceable with hot swap function |
| | Battery operating time: | up to 14 hours continuous data access*** up to 23 hours talktime up to 1000 hours standby time |
| | Battery charging time: | 50% charge in 1.2 hours (Quick charging) Full charge in Approx. 3.6 hours |
| | AC Adapter: | Input: 100V-240V AC, 50Hz/60Hz, Output: 16V DC, 3.75A |
| Interfaces | Micro USB 2.0: | x1 (For charging and Data transfer) |
| | DC-IN: | x1 (For quick charging) |
| | Docking connector: | x1 (13 Pin) |
| | Headset jack: | x1 (3.5mm) |
| | Buttons: | User configurable buttons: x1 in the front (Search button) & x1 in the side Power on/off button: x1 Dedicated camera button: x1 (For rear camera) Volume buttons: x2 |
| Wireless | Bluetooth: | v4.0 (class 1) |
| | WLAN: | IEEE802.11 a/b/g/n/ac |
| | Voice & Data: | LTE, HSPA+, UMTS, EDGE, GPRS, GSM |
| | Micro SIM slots: | x1 |
| | GPS: | 2m CEP50 (±2 to 4m) GLONASS |
| | NFC: | Yes (Felica Type A, Type B) |
| Security | FIPS140-2 level-1 compliant, Built-in ARM® TrustZone® | |
| Ruggedness | Fully rugged design with sealed ports, MIL-STD-810G certified, 3 meter drop resistant | |
| | Raised bezel for LCD impact protection | |
| | IP68 rated (submersible in water up to 1.5 meters for 30 minutes) | |
| | -20°C to +60°C operating temperature | |
| Dimensions (WxDxH) | 87.4 x 165 x 30.9 mm {3.4" x 6.5" x 1.2"} | |
| Weight | Without BCR: approx. 426 g {0.94 lb.} | With BCR: approx. 432 g {0.95 lb.} |
| What's inside the box | FZ-E1 Handheld tablet, AC adapter and operating instructions manual | |
| Options | 1D/2D Barcode reader {36 types of barcode supported} | |
| Accessories | Standard AC Adaptor (60W) | CF-AA6373AE/G/T/D |
| | AC Adaptor for Multi Device Cradle (110W) | CF-AA5713AE/G/T |
| | Single Device Cradle | FZ-VEBX111U |
| | Multi Device Cradle (4-bay) | FZ-VEBX121U |
| | Multi Battery Charger | FZ-VCBX111U |
| | Hand Strap | FZ-WSTX111 |
| | Corner Ring | FZ-WCRX111 |
| | Holster | FZ-VSTX111U |
| | Battery Pack (6200mAh) | FZ-VZSUX100J |

***Battery life measurement conditions: Wireless LAN connection enabled; continuous access to the server while browsing; swipe every 1 second; page change every 30 seconds, communication every 30 seconds.

DO NOT STARE INTO BARCODE READER'S BEAM. CLASS 2 LASER PRODUCT

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