

IP68
CERTIFIED

MIL-STD
810G
CERTIFIED



TOUGHPAD **FZ-X1** MK1

5" FULLY RUGGED ANDROID HANDHELD TABLET

The Toughpad FZ-X1 brings together the best of handheld, tablet and barcode reader* functionality into a single rugged and hard working 5" Toughpad. 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 metre drop resistance, the FZ-X1 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.

- Android™ 4.2.2
- Qualcomm® APQ8064T 1.7GHz Quad-core processor
- 2 GB RAM and 32GB eMMC storage
- 5" HD (1280 x 720) daylight-readable display with Glove & Rain mode
- MIL-STD 810G certified with 3 metre drop** resistance
- IP68 rated** (Submersible in water up to 1.5 metres for 30 minutes)
- Integrated 1D/2D Barcode reader*
- User replaceable high capacity battery with hot swap function
- Up to 14 hours continuous data access time; up to 1000 hours standby time
- 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)
- -20°C to +60°C operating temperature

* Optional. **Tested at Panasonic factory.

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TOUGHPAD FZ-X1MK1

BIG ABILITY. SMALL DIMENSIONS.

Despite its small 5" display form factor, the FZ-X1 comes packed with the ability of a handheld tablet and barcode reader* in a fully rugged IP68 water & dust proof design. Its state of the art Qualcomm® 1.7 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; or 1000 hours in standby.



| | | |
|---------------------------|---|---|
| Mobile Computing Platform | Qualcomm® APQ8064T 1.7GHz Quad-core processor | |
| Operating System | Android™ 4.2.2 | |
| RAM | 2GB | |
| Graphic Chip | Adreno 320 | |
| 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 | |
| Storage | 32 GB eMMC | |
| Storage Expansion | Micro SDXC card slot (max. 64 GB) | |
| Audio | 3 mics (2x Front & 1x Rear) | 2x Loud volume speaker (up to 100 dB) |
| | Dedicated noise suppressor chip | |
| 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 1000 hours standby time |
| | Battery Charging Time: | |
| | 50% charge in 1 hour (Quick charging) | Full charge in Approx. 3 hours |
| Interfaces | AC Adapter: | Input: 100V-240V AC, 50Hz/60Hz, Output: 16V DC, 3.75A |
| | Phone: | x1 Micro SIM Card Slot |
| | Micro USB 2.0: | x1 (For charging and Data Transfer) |
| | DC-in: | x1 (For quick charging) |
| | Docking Connector: | x1 (1.3-pin) |
| | Headset Jack: | x1 (3.5mm) |
| | Wireless | Bluetooth: |
| WLAN: | | IEEE802.11 a/b/g/n/ac |
| GPS: | | 2m CEP50 (±2 to 4m) GLONASS |
| NFC: | | Yes (Felica Type A, Type B) |
| Security Features | FIPS140-2 level-1 compliant, Built-in ARM® TrustZone® | |
| Ruggedness | Fully rugged design with sealed ports, MIL-STD-810G certified, 3 metre drop resistant** | |
| | Raised bezel for LCD impact protection | |
| | IP68 rated** (submersible in water up to 1.5 metres for 30 minutes) | |
| Operating Environment | Temperature: | -20°C to +60°C |
| | Humidity: | 30% to 90% RH |
| Physical Dimensions | 87.4 (W) x 165mm (H) x 30.9mm (D) | |
| Weight | 432g (with Barcode Reader) | |
| Options | 1D/2D Barcode reader (36 types of barcode supported) | |
| Accessories | Standard Adapter: CF-AA6373AM | Multi Battery Charger: FZ-VCBX111U |
| | AC Adapter for Multi Device Cradle (110W): CF-AA5713AM | Hand Strap: FZ-WSTX111 (as standard) |
| | Single Device Cradle: FZ-VEBX111U | Corner Ring: FZ-WCRX111 |
| | Multi Device Cradle (4-bay): FZ-VEBX121U | Holster: FZ-VSTX111U |
| | Battery Pack (6200mAh): FZ-VZSUX100 | Pistol Grip: FZ-VGGX111U |

Dealer Details:

*Optional.
 **Tested at Panasonic factory.
 ***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. All brand names shown are the registered trademarks of the relevant companies. All rights reserved. All working conditions, times and figures quoted are optimum or ideal levels and may differ as a result of individual and local circumstance. Specifications are subject to change without notice. Publication date: June 2016.