



# TOUGHPAD FZ-E1 ATEX

## ATEX ZONE 2 CERTIFIED 5" HANDHELD TABLET WITH BCR, DATA & VOICE

The Toughpad FZ-E1 ATEX brings together the best of handheld, smartphone and barcode reader functionality into a single rugged 5" tablet. It is an ideal tool for ATEX zone 2 workers in the mining, oil & gas, large plants, chemical and pharmaceutical sectors. Thanks to its fully-rugged design with MIL-STD-810G certification, IP54 ratings and 1 meter drop resistance, the FZ-E1 ATEX promises a long life span and very low TCO. With operating temperatures of -20°C to +40°C, glove & rain-enabled daylight-readable display and a high capacity 6200mAh battery, ATEX zone 2 workers can operate anytime and for as long as they need.

- Windows Embedded 8.1 Handheld
- ATEX zone 2 certified\*
- 4G LTE / 3G data and voice capability
- Qualcomm® MSM8974AB 2.3 GHz Quad-core processor
- 5" HD (1280 x 720) daylight-readable display with glove & rain mode
- MIL-STD 810G certified with 1 meter drop\*\* resistance
- IP54 rated
- -20°C to +40°C operating temperature

- High capacity battery with up to 1000 hours standby time
- Integrated 1D/2D barcode reader
- 3 microphones for intelligent noise cancellation
- Loud volume twin speakers (up to 100 dB)
- 2 user configurable buttons (for shortcut to applications)

\*Support ATEX Ex nA nC IIB T4 Gc. While at Zone 2, need to use with leather cover. Also accessing interfaces, changing SIM card, battery charging & replacing are not allowed at zone 2.

\*\* Tested at Panasonic factory and does not guarantee against damage and/or malfunction.

# BIG ABILITY. SMALL DIMENSIONS.

## FULLY FEATURED 5" HANDHELD TABLET

Despite its small 5" display form factor, the FZ-E1 ATEX comes packed with the ability of a smartphone, handheld and barcode reader in a fully rugged IP54 design. Its state of the art Qualcomm® quadcore processor together with 2GB RAM guarantees high performance. The high capacity 6200mAh 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 Embedded 8.1 Handheld	
RAM & Storage	2 GB RAM & 32 GB eMMC	
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)	
Storage expansion	micro SDXC card slot (max. 64 GB)	
Audio	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* up to 14 hours continuous data access** up to 23 hours talktime up to 1000 hours standby time
	Battery operating 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 slot*:	x1
	GPS:	2m CEP50 (±2 to 4m) GLONASS
	NFC:	Yes (Felica Type A, Type B)
Barcode reader	Integrated 1D/2D Barcode reader	
Security	FIPS140-2 level-1 compliant, Built-in ARM® TrustZone®	
Ruggedness	Fully rugged design with sealed ports, MIL-STD-810G certified, 1 meter drop resistant Raised bezel for LCD impact protection IP54 rated -20°C to +40°C operating temperature	
Dimensions (WxDxH)	188 x 101 x 45 mm {7.4" x 3.97" x 1.7"}	
Weight	With BCR: approx. 595 g {1.31 lb.}	
What's inside the box	FZ-E1 ATEX Handheld tablet, leather cover, AC adaptor and operating instructions manual	
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
	Battery Pack (6200mAh)	FZ-VZSUX100J

\*White at ATEX zone 2, accessing interfaces, changing SIM card, battery replacing and charging are not allowed.

\*\*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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