Panasonic
BUSINESS

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 continous 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 continous 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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