



# TOUGHBOOK M1

## POCKET SIZE, FANLESS, FULLY RUGGED WINDOWS 10 PRO TABLET WITH 7" OUTDOOR DISPLAY

The fully rugged TOUGHBOOK M1 sets the new benchmark for outdoor tablets making it ideal for field workforces in challenging environments. With its capacitive 10-finger multi-touch outdoor display and flexible configurations, this Windows 10 Pro tablet has been designed to optimise the efficiency of field workers. It benefits from various connectivity options to ensure data is always available when needed and gives business users the legacy options they require in a compact, fully rugged and lightweight form factor.

- Intel® Core™ i5-7Y57 vPro Processor
- Windows 10 Pro
- Fanless design
- Intel graphics 615
- 7" WXGA (1280x800) outdoor display (up to 700cd/m)
- Capacitive 10 finger multi-touchscreen
- 180cm shock resistant\*
- Water and dust resistant (IP65)\*
- Up to 8 hours battery life
- Up to 18 hours battery life with high capacity battery (optional)
- User exchangeable battery
- Hot swap battery optional (in combination with business expansion module)
- Flexible configuration port (Serial, LAN, 2D Barcode Reader, USB 2.0)
- Integrated business expansion module (NFC, UHF RFID, Smartcard Reader, LAN + Serial, SD + Serial, Intel® Realsense, Thermal by FLIR)
- Lightweight - weights approx. 540g

\* Tested by an independent third party lab following MIL-STD-810G and IEC 60529, Sections 13.4, 13.6.2, 14.2.5 and 14.3.





## DRIVING EFFICIENCY

FOR FIELD PROFESSIONALS WHO FACE THE TOUGHEST CHALLENGES

The TOUGHBOOK M1 shares its DNA with the Toughbook family of products from Panasonic, combining ergonomic and durable design that made Toughbook the first choice for field workforces. Panasonic has created the fully rugged, highly mobile and pocket size TOUGHBOOK M1 to answer the needs of organisations that require Windows 10 Pro functionality in a durable tablet for outdoor field workers. Never before has so much flexibility and performance been packed into such a compact, durable tablet with such great outdoor viewing capability.



Mobile Computing Platform	Intel® Core™ i5-7Y57 vPro™ processor 1.2 GHz up to 3.3 GHz with Intel Turbo Boost Technology, 4MB Intel Smart Cache
Operating System	Windows 10 Pro
RAM	4GB (max. 8GB)
Graphic Chip	Intel® HD Graphics 615
Camera	Front: 2mpixel Rear: 8mpixel with autofocus and LED flash
Storage	128 GB Solid State Drive (Serial ATA), 256GB optional (not user upgradable)
LCD	7" sunlight-viewable WXGA Active Matrix (TFT) IPS LCD (up to 700cd/m <sup>2</sup> brightness)
Touchscreen	10 finger capacitive multi-touchscreen
Bluetooth®	Version 4.1 + EDR Class 1
WLAN	Intel® Dual Band Wireless-AC 8265
4G Mobile Broadband	Optional Sierra Wireless EM7305 with 12 Channel GPS, supports 3G
GPS	Optional
NFC	Optional, ISO 14443
Sound	WAVE and MIDI playback, Intel High Definition Audio subsystem support, internal Microphone for Webcam
Interface	USB 3.0: x1 Headset: x1 Port Replicator Connector: x1 Dual Antenna Connector: x1 optional
Configuration Port*	LAN, Serial, 2D Barcode Reader, USB 2.0
Business expansion Module*	NFC, UHF RFID, Smartcard Reader, LAN + Serial SD + Serial, Intel® Realsense, Thermal by FLIR
Expansion slots	Micro SD/SDXC Memory Card: x1
Power	AC Adapter: Input: 100V - 240V AC, 50Hz/60Hz, Output: 16V DC, 3.75A Battery: Lithium-Ion (7.2V, 3220mAh) Operating Time: 8 hours, MobileMark® 2014, 150cd/m <sup>2</sup> Hot Swap Battery: Optional via business expansion module
Security Features	TPM (Trusted Platform Module) TCG V2.0 Integrated hardware security lock slot
Physical Dimensions (W x D x H)	203mm x 18mm x 132mm {7.98" x 5.20" x 0.71"}
Weight	Approx. 540g {Approx. 1.2lbs}
Testing Standards	Water resistance test: IP-X5** Dust resistance test: IP-6X** Gravity drop resistance test: 180cm** Operating temperature: -29°C to +60°C** Storage temperature: -51°C to + 71°C**
Accessories	AC-Adapter: CF-AA6373AM Standard Battery: FZ-VZSU94W 7" Large Battery: FZ-VZSU95W 4-Bay Battery Charger: FZ-VCBM11U Desktop Cradle: FZ-VEBM12U Lite Desktop Cradle: FZ-VEBM11U Capacitive Stylus Pen: FZ-VNPM11U
Standard Configuration	FZ-M1mk3 Standard Model, 4GB RAM, 128GB SSD, Battery Pack, Stylus Pen
Included in Box	Power Supply, Power Cord, Handstrap, Tether, User Manual

TOUGHBOOK M1mk3 Standard Model: 24.10.2019

\* One option exclusive possible in configuration port / business expansion module

\*\* Tested by an independent third party lab following MIL-STD-810G and IEC 60529, Sections 13.4, 13.6.2, 14.2.5 and 14.3.

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