



**Pocket Size, fanless, fully rugged Windows 10 Pro
Tablet with 7" Outdoor Display**

TOUGHBOOK M1 Standard

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.

Key Features

Intel® Core™ i5-7Y57 vPro Processor


Windows 10 Pro


7" Active Matrix (TFT) colour LCD 1280 x 800 (WXGA) LCD with sunlight-viewable glove-enabled capacitive touchscreen (up to 700cd/m²)


IP65 water and dust resistant, 150cm shock resistant***


Flexible configuration port* (LAN, Serial, 2D Barcode Reader, USB 2.0) and integrated business expansion module* (NFC, Smartcard Reader, Thermal by FLIR, Intel RealSense)



 TOUGHBOOK M1
Header Banner

 TOUGHBOOK M1
Header Images
Plasterboard

 TOUGHBOOK M1
Header Banner

 TOUGHBOOK M1
Header Banner

TOUGHBOOK M1 Standard

<https://ap.connect.panasonic.com/id/en/products/toughbook/toughbook-m1-standard>

Mobile Computing Platform	Intel® Core™ i5-7Y57 vPro™ Processor
Operating System	Windows 10 Pro
RAM	4GB RAM (max. 8GB)
Graphic Chip	Intel® HD Graphics 615
Storage	128GB SSD (256GB optional)
LCD	7" Active Matrix (TFT) colour LCD 1280 x 800 (WXGA) LCD with sunlight-viewable glove-enabled capacitive touchscreen (up to 700cd/m ²)
Bluetooth™	4.2 + EDR Class 1
Wireless LAN	Intel® Dual Band Wireless-AC 8265
Mobile Broadband*	4G LTE, supports 3G
GPS*	U-Blox NEO-M8N
Sound	WAVE and MIDI playback, Intel® High Definition Audio subsystem support, internal Microphone for Webcam
Security	TPM (TCG V2.0 compliant) Password security (supervisor password, user password, hard disc lock) Integrated hardware security lock slot
Front Camera	2mpixel
Rear Camera	8mpixel with autofocus and LED flash
Micro SD/SDXC Memory Card	x1
USB 3.0	x1
Headset	x1
DC In	x1
Port Replicator	x1
Dual Antenna Connector*	x1
Configuration port**	LAN, Serial, 2D Barcode Reader, USB 2.0
Business Expansion Module**	NFC, Smartcard Reader, LAN + Serial, SD + Serial, Intel® Realsense, Thermal by FLIR, Hot Swap
AC Adapter	Input: 100V - 240V AC, 50Hz/60Hz, Output: 16V DC, 3.75A
Battery	Lithium-Ion (2 cell, 23 Whr)
Battery Life	Approx. 8 hours (Mobile Mark™ 2014), Approx. 18 hours with 4 cell battery*
Power Management	Hot swap*, Standby function, ACPI BIOS
Dimensions (WxHxD)	203mm x 18mm x 132mm
Weight	Approx. 540g
Drop Resistance	MIL-STD 810G, 150cm***
Dust Resistance	IEC529 (JIS C0920) IP6x***
Water Resistance	IEC529 (JIS C0920) IPx5***
Operating Temperature	MIL-STD 810G, -29 °C to 60 °C ***
Standard Configuration	FZ-M1 mk3 Standard Model, 4GB RAM, 128GB SSD, Battery Pack, Stylus Pen
Included in the box	Power Supply, Power Cord, Display cleaning cloth and User Manual
Footnote	*Optional

**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