



**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/p/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