

M3a-2 Quick Start Guide



Federal Communications Commission (FCC) Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Safety information

- Before installing and using the machine, take note of the following precautions:
- Do not place the unit on an unstable surface, cart, or stand.
- Do not block the slots and opening on the unit, which are provided for ventilation.
- Only use the power source indicated on the marking label. If you are not sure, contact your dealer or the Power Company.
- When replacing parts, ensure that your service technician uses parts specified by the manufacturer.
- Do not place anything on the power cord. Place the power cord where it will not be in the way of foot traffic.

Non-modification Statement

Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

Taiwan NCC

一般設備(低功率電波輻射性電機管理辦法第 12、14 條)

- 經型式認證合格之低功率射頻電機，非經國家通訊傳播委員會 (NCC) 許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。
- 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

SAR notice

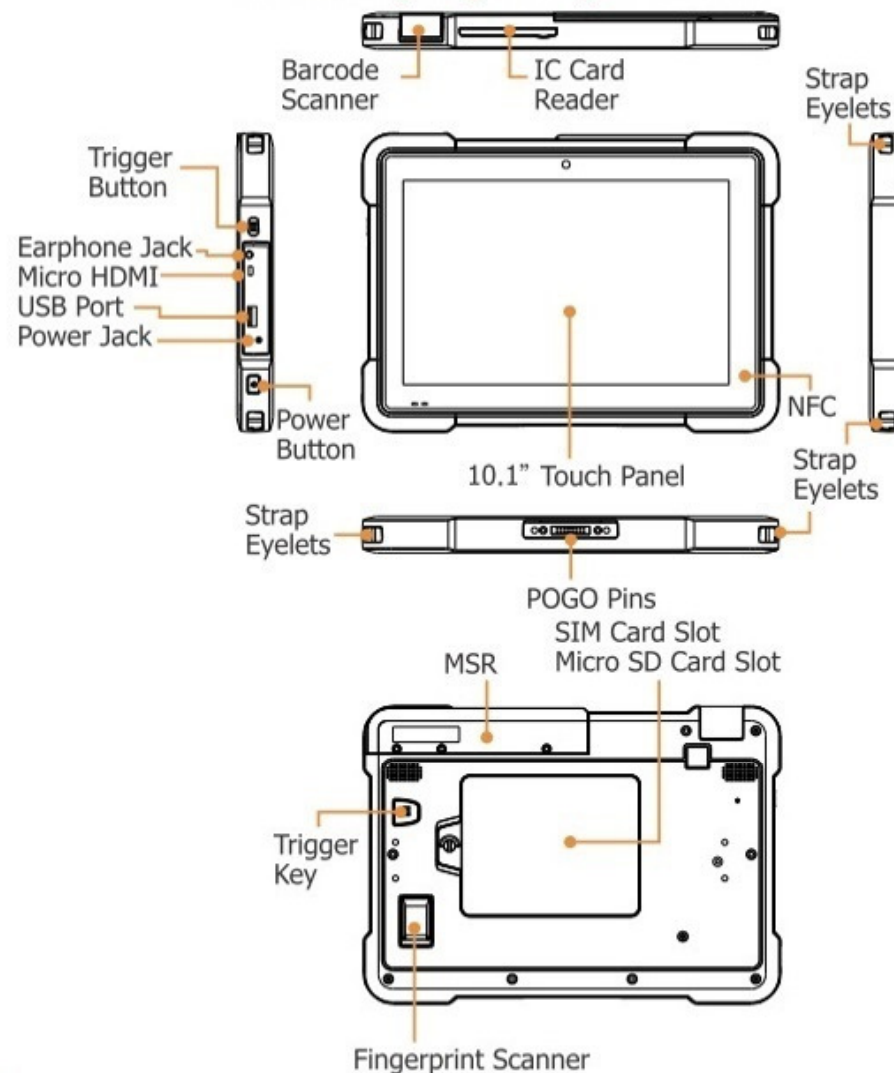
The highest SAR value for the device as reported to the FCC is 1.411 W/kg (limit set by the FCC is 1.6W/kg) when placed next to the body. The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines.

Battery notice

Li-ion batteries can be dangerous. There is a danger of explosion if the battery is incorrectly replaced. Do not expose to fire or water.

To reduce the risk of fire or burns, do not disassemble, crush, puncture, or short external contacts. Dispose of used batteries according to state or local hazardous waste requirements.

Identifying components



CE RF Feature

RF Spec.	NFC	BT 4.2	WIFI a/b/g/n/ac
Frequency Range	13.56 MHz	2400 ~ 2483.5 MHz	2.4GHz : 2400 ~ 2483.5 MHz 5GHz : 5150 ~ 5825 MHz
Max. Output Power	<1dBm	10dBm	2.4GHz 11b: 16dBm(+3dBm) 11g: 13dBm(+3dBm) 11n HT20: 13dBm(+3dBm) 5GHz 11a: 13dBm(+3dBm) 11n HT20: 12dBm(+3dBm) 11n HT40: 12dBm(+3dBm) 11ac HT20: 11dBm(+3dBm) 11ac HT40: 10dBm(+3dBm) 11ac HT80: 10dBm(+3dBm)

M3a-2 Specification

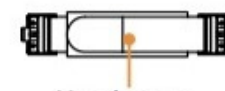
Item	M3a-2
Processor	Qualcomm® APQ8053 Processor
OS	Android 7.1
Memory/Storage	Standard 4G/32G
Display	10.1", 1280 x 800, 350nits
Touch	Projected capacitive touch (Multi Touch)
Bluetooth	V4.1
WiFi	802.11 a/b/g/n/ac
GPS (option)	For GPS, GLONASS, Galileo and Beidou
Sensor	E-compass (Optional) Ambient Light Gyroscope
Battery	Rechargeable Li-ion battery 7.4V, 4600mAh
Working time	6 hours, Video playback, 50% brightness & Volume, BT & WIFI on
Speaker	Internal, 2*2W
I/O	1* USB 2.0 TYPE A 1* Micro SD card, Max. 128G 1* Micro HDMI 1* SIM slot 1* DC Jack 1* Audio Jack
Camera	Rear Camera: 8M , Auto focus Front Camera: 2M
LEDs	1* red/green LED for power & system status
Power Adapter	Input:100V to 240V AC 50/60Hz 1A Output: DC 12V 3A
Dimension	W x L x T: 278mm x 199mm x 20.9mm
Temperature	Operation temperature 0°C ~ 40°C Storage temperature -20°C ~ 60°C
Humidity	15% to 85% (no condensation)
Sealing	IP54
Drop specification	1M
Optional Device Module (Factory Option)	2D barcode scanner (image) IC card reader ISO7816 or NFC; MSR ISO7811-Track 1, 2, 3 , Fingerprint 512dpi,
Certification	CE/FCC/VCCI/BSMI/CCC/CB/NCC/MIC

Installing Hand Strap

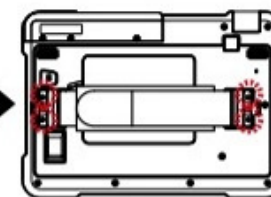
Secure the hand strap to the rear of the device with four screws.

NOTE

Hand strap is sold separately.



Hand strap



設備名稱: Mobile POS Terminal (移動POS終端機 / 电子收款机) Model (型號 / 型式): M3a-2						
單元	限用物質及其化學符號 / 有毒有害物質或元素 / Hazardous substances' name					
	鉛(Pb)	汞(Hg)	鎘(Cd)	六價鉻(Cr+6)	多溴聯苯(PBB)	多溴二苯醚(PBDE)
金屬機構件 / Metal parts	○	○	○	○	○	○
塑料機構件 / Plastic parts	○	○	○	○	○	○
顯示模組 / Display parts	○	○	○	○	○	○
電路板模組 / Circuit board components	○	○	○	○	○	○
電源線/其他線材 / Power cord/Wire	○	○	○	○	○	○
喇叭 / Speakers	○	○	○	○	○	○
備考1. "超出0.1 wt %" 及 "超出0.01 wt %" 係指限用物質之百分比含量超出百分比含量基準值。						
備考2. "○" 係指該項限用物質之百分比含量未超出百分比含量基準值。						
備考3. "-" 係指該項限用物質為排除項目。						
本表格依據 SJ/T 11364 的規定編制。						
○: 表示該有害物質在該部件所有均質材料中的含量均在 GB/T 26572 規定的限量要求以下。						
X: 表示該有害物質至少在某均質材料中的含量超出 GB/T 26572 規定的限量要求。						

聯絡資訊/Contact Information

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