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# Reader

## 1. Model: UIC680VG

## 2. Product Specifications

Item	SPEC
Processor	Microchip ATSAMA5D28C-CU
Memory	DDR3L SDRAM RAM 256Mbytes -40~95 800 MHz
Storage	Micron NAND Flash 256M
OS Version	Linux 4.19.56 (Microchip Linux4sam v6.1)
SAM	4 SAMs (5V/3.3V/1.8V) can be inserted directly (no need to disassembly the SAM board module)
Indicators	EMV LEDs x4 Green (reserve LED signal to extend LED connector on IO board) Logo LED x4 RGB Provide control cmd for customers( RGB breathing light for tapping card indicator)
Audio	Buzzer Sound Pressure Level: 70 dB at 10cm(default)
I/O Connector	
Connector x1 (8P wires, pitch 1.25)	USB/RS232 cable selection
Connector x1 (2P wires, pitch 1.25)	battery replacement purpose
Connector x1	SAM board
Debug port	3pin connector on IOBD
Power input	5V DC/500mA
Communication	USB/RS232
Payment Reader	RFID Reader ISO 14443 Type A/B/Mifare ISO18092 NFC-IP1 JIS X6319-4 (FeliCa) ISO15693
<b>Reliability</b>	
Coin Battery Life	5 years (Additional connector while battery replacement)
Environmental	Operating -25 to 70°C Storage -25 to 80°C Humidity : 5% – 95% (none-condensing)
MTBF	100,000 Hours
ESD	±8KV contact/±15KV Air
IP/IK Rating	IP65/IK9
UV exposure resistance	Half daylight.
Drop resistance	92cm

Power management	<b>Power on</b> <500mA(4.5V) <b>Idle</b> <100mA(RFID off) : 80mA
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## Installation guide

Installation guide(USB Interface)	
1	Plug the USB cable to the USB port of PC.
2	Install the driver



## 警語

取得審驗證明之低功率射頻器材，非經核准，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。

低功率射頻器材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。

前述合法通信，指依電信管理法規定作業之無線電通信。

低功率射頻器材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。

## FCC

### FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to

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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.

**CAUTION:**

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

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.

**RTC Warning :**

"Caution: Risk of explosion if the battery is replaced by an incorrect type"

<b>Company Name</b>	<b>Uniform Industrial Corp.</b>
<b>Company Addr</b>	<b>2901 Bayview Dr, Fremont, CA 94538 For CE: 1F, No.1, Lane 15, Ziqiang St., Tucheng Dist., New Taipei City 236, Taiwan</b>
<b>Tel No</b>	<b>(510)4386799</b>

**Declaration of the Presence Condition of the Restricted Substances Marking**

產品名稱/Model name:讀卡機/Reader

單元	限用物質及其化學符號					
	鉛 (Pb)	汞 (Hg)	鎘 (Cd)	六價鉻 (Cr+6)	多溴聯苯 (PBB)	多溴二苯醚 (PBDE)
電路板	0	0	0	0	0	0
電子元件	-	0	0	0	0	0
金屬機構件	-	0	0	0	0	0
塑膠機構件	0	0	0	0	0	0

備考1. "0"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2. "-"係指該項限用物質為排除項目。