

INTRODUCTION

MP650 是一款外型輕巧低功耗的指紋讀卡機,它可以自由輸入員工代號對應該員工指紋,其驗證方式是直接在MP650 上就可以完成不需要另接電腦,驗證完成直接將員工代號輸出到 Wiegand(defult)或 Ethernet 或 RS485

MP650 除了含有 Wiegand,RS485 外也提供了網路界面讓用戶搭配根據不同應用環境使用.

MP650 的網路界面除了可以設定參數以及上傳/下載 指紋資料庫外也搭配具有 RS485 控制器升級為網路界面

特點:

- 驗證模式,Fingerprint only
- 透過 TCP/IP 上傳指紋特徵及參數
- 三合一界面: Wiegand (Default), RS485 and 網路
- Wiegand 輸出時,可自行設定 26 bits to 34 bits
- 支援 RS485 界面,可接 RS485 Control
- 支援三種顏色的 LED 並可自行設定 LED 及 Buzzer 的狀態

FEATURES

- **Interface**Wiegand, RS485,網路界面
- RFID Supported standard Format NFC1-4 TAGS
- RFID 讀取距離: 2~5 cm
- 尺寸: 130Hx54Wx43D mm
- **指紋容量:** 1900 (標準) or 9000 二選一
- Low power, low profile for portable designed
- Identification speed
 <3 sec (1:N)
- 驗證方式

Fingerprint only

Power supply

5~12V Max 200mA

Standard Configurations:

- ✓ MP650-00 ---- TCP/IP with 1900 枚指紋
- ✓ MP650-10---- TCP/IP with 9000 枚指紋
- ✓ MP650W-00 ---- TCP/IP with 1900 枚指紋
- ✓ MP650W-10---- TCP/IP with 9000 枚指紋

Applications:

- 門禁系統
- 考勤系統
- 會員管理及飯店管理
- 身份識別驗證系統
- * Specification is subject to change without notice.

- ✓ We welcome OEM inquiries
- ✓ Custom device programming is available



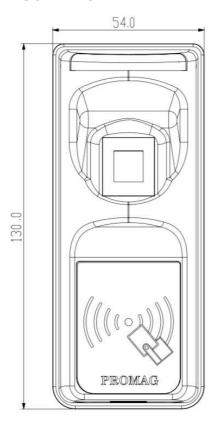
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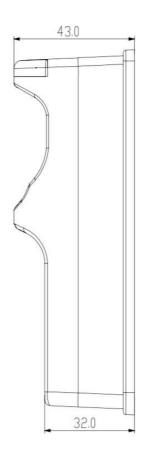


SPECIFICATIONS:

POWER REQUIREMENT	5V~12V regulated for Operate Voltage. A linear regulator is recommended.		
CURRENT REQUIREMENTS	Active 200mA @5VDC		
INTERFACE	Ethernet or WiFi 二選一, Wiegand , R485 Interface		
指紋登錄方式	On-Line: Ethernet or WiFi		
Template capacity	1900 or 9000 (Fingerprint)二選一		
Resolution	508dpi(Fingerprint sensor)		
指紋比對方式	1:N		
指紋比對速度	<3 sec		
FAR	<0.0001 % (If threshold is 3)		
FRR	<0.01% (If threshold is 3)		
Network Protocol	UDP/IP, ICMP(ping), ARP, TCP/IP		
Ethernet Interface	10/100 BaseT Ethernet		
DIMENSIONS	130H x 54 W x 43 D mm		
ENVIRONMENT	Operating Temp : -0°C ~ +60°C		
	Humidity: 10 ~ 90 % relative		

PACKAGE DESCRIPTION





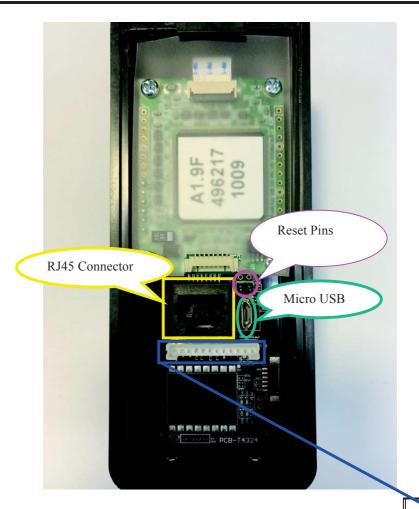
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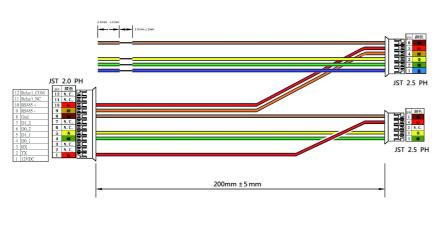


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PROMAG[¬]

PIN DEFINE





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	12	
Description		
Pin Numbers	12	
Connector	JST SH 2.0mm	
PIN#		
1	+5~12 VDD	
2	TXD	
3	RXD	
4	(IN) D0 or I/O	
5	(IN) D1 or I/O	
6	(OUT) D0 or I/O	
7	(OUT) D1 or I/O	
8	GND	
9	RS485-	
10	RS485+	
11	Relay_COM (標準版本)	
	可變更 Output 5VDC/150mA	
12	Relay_NC (標準版本)	
	可變更 GND	

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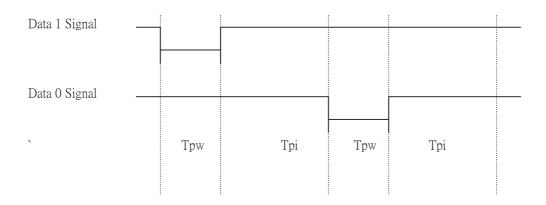


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Wiegand Interface (defult Wiegand 26 Bits)

The Data 1 and Data 0 signals are held at a logic high level unit, the reader is ready to send a data stream. The reader places data as asynchronous low-going pulses on the Data 1 or Data 0 lines to transmit the data stream to Host. The Data 1 and Data 0 pulses will allowable pulse width times and pulse interval times for the reader.



Pulse Times

Symbol	Description	Typical Time
Tpw	Pulse Width Time	100us +/- 3%
Tpi	Pulse Interval Time	1.9ms +/- 3%

Wiegand Packet

Standard(Default)	Parity(Even)	Data Bits	Parity(Odd)
Reverse (Option)	Parity(Odd)	Data Bits	Parity(Even)

RS485 Interface

RS485 output data packet with Header, Reader ID and Trailer:

Header Reader ID	Data Bytes	Trailer
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Header and Trailer可以經由軟體進行設定, Data Bytes 也可設定Binary or ASCII

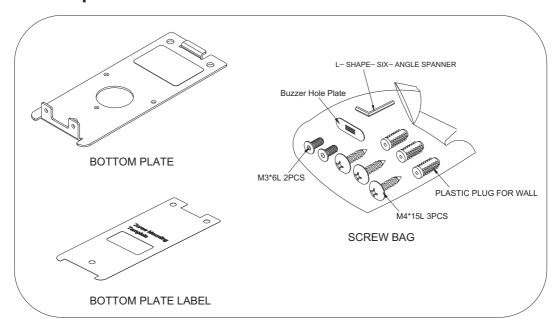
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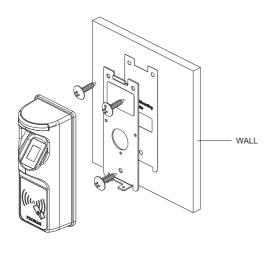
Installation

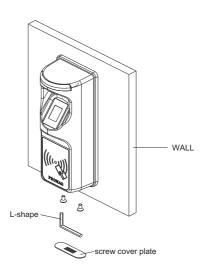
Required Items



Secure Mounting Installation

- Attach the bottom plate label on the target position. Drill the holes to match the bottom plate then fix SmaFinger reader.
- 2. After fixing SmaFinger with attached screws (using the L-shape spanner) ,apply screw cover plate for completion





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Appendix A

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Appendix B



CAUTION:

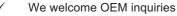
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To prevent possible harm to the environment or human health please separate this product from other waste streams to en-sure that it can be recycled in an environmentally sound manner.

For more details on available collection facilities please contact your local government office or the retailer where you purchased this product.

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