

### Introduction:

The **PCR310** is a high performance Mifare® card reader and writer. Multi-application cards can also be used with this read / write unit.

The **MF5** is a tiny Mifare® card read / write module, which is designed for the applications of RFID technology for handy terminal or custom-built for system integrators.

By using **PCR310 / MF5** reader / writer (module) and the encoder software, customers can implement their own applications and define security keys themselves.

### Features:

- Fast data transfer
- High data integrity
- True anti-collision
- MF5 read / write module for handy terminal or custom-built.

### Applications:

- Pre-payment, Ticketing
- Prepaid parking / meal coupon
- Multi-application: Tracking, Retail, Customer, Loyalty, Leisure, Gambling

### Specifications:

	PCR310	MF5
Major Feature	Programmer for card issue	Read / Write module
RF Frequency	13.56 MHz	13.56 MHz
RF Distance	2 cm	Depends on antenna
DC Power	5 V / 100 mA	5 V / 100 mA
Interface	USB RS232, 19200, N, 8, 1	RS232, 19200, N, 8, 1
Protocol	GNET PLUS	GNET PLUS
Card Type	ISO 14443 A Mifare® Class Mifare® PRO	ISO 14443 A Mifare® Class Mifare® PRO
Memory	32 KB	NO
Dimension (mm)	W 65 x L 100 x D 24.7	W 26 x L 36 x H11
Housing	ABS	No
Weight	115 g	10 g
Operating temperature	-10 ~ +60° C	-10 ~ +60° C
Operating relative humidity	10 ~ 90 %	10 ~ 90 %

### Ordering Information:

**PCR310U** : USB interface with read / write software

**PCR310R** : RS232 interface with read / write software

**MF5 + Start Kit** : Development kit with read / write software

**MF5** : Read / Write Module only

※ Mifare is a registered trademark of Philips Electronics N.V.

※ Specification is subject to change without notice.



We welcome OEM inquiries

- ◆ Custom design manufacturing is available
- ◆ Custom device programming is available
- ◆ Call factory for other configuration



8F.,NO.31, LANE 169, KANG-NING  
STREET,HSI-CHIH,TAIPEI,TAIWAN

TEL: 886-2-26954214

FAX: 886-2-26954213

e-mail: promag@ms24.hinet.net

gigatms@ms3.hinet.net

http://www.gigatms.com.tw