ONE TECH

2E-M310U Mifare® Card Reader / Writer
MF5 Mifare® Read / Write Module

Introduction:

The **2E-M310U** 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 **2E-M310U** / **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:

	2E-M310U	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.**

**Dimension
L100 x W65 x D24.7 mm**

Pre-payment/ Cashless payment

Card writing

Card reading

13.56Mhz
Mifare card reader

Wide application coverage
Sports club membership card
Meal coupon
Car parking