

MP100 Hardware User Manual

Rev1.0



Revision History

Revision	Date	Author	Description
1.0	2013.04.11	C.K	1 st Release

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1. Introduction

Introducing MP100, GIGA-TMS's latest released RFID module. It not only equips build-in SAM socket, but also support multiple ISO standards.

Other than contactless RFID cards, MP100 also support SAM card. User do not need to understand the complicated ISO/IEC 14443 and ISO7816 standard to operate MP100. With simple command through RS232/USB, user may master multiple RFID standards easily.

MP100 support wild ranges of transmission protocols and transponder ICs available on the market. Designed to meet the requirements of both secure personal identity verification and supply chain management applications.

MP100 is ideal for access control, as well as Automatic Fare Collection(AFC), ticketing, vending and mobile solutions.

2. Specifications

Specifications	
Power requirement	5V regulated for operate voltage
Current requirement	Active 130mA @ 5VDC
Interface	MP100R – RS232 MP100U – USB(Visual Comport)
Baud rate	19200 N 8 1
Protocol	ISO14443A Standard functionality Mifare read and write data Ultralight read and write data Ultralight C read and write data Desfire read and write data Desfire EV1 read and write data VISA pay wave read UID Master pay wave read UID T=CL ISO14443B Standard functionality

	Cepas read UID SRI read and write data VISA pay wave read UID Master pay wave read UID T=CL ISO15693 Standard functionality Tag-IT read and write data I-Code series read and write data SIC5600 read and write data PicoTag read UID and data Felica read UID ISO7816 Contactless smart card
Frequency	13.56MHz
Slot	ISO7816 ID Type x 1 ISO7816 SIM Type x1
Dimensions	
Weight	
Environment	Operating temperature : 0°C ~ 50°C Humidity : 10 ~ 90 %relative