

EMBEDDED TYPE R/W

EMR 300



EMR300 EMBEDDED TYPE READER/WRITER

EMR300 is suited for all potential ODM/OEM customers who wish to build readers for mobile devices or high performance stand alone RFID readers/scanners.

It can be embedded in to any mobile device as RFID Reader/Writer.

SPECIFICATIONS

Model	EMR-300	Power Input	DC3V~DC5V
Dimension	30 (Width) x30 (Length) x9.5 (Thickness) mm - Gap from Antenna Surface = 2.5mm - Gap from PCB's edge = 6mm - Overall substrate thickness = 1mm	Power Consumption (at DC5V input)	RF ON: about 31mA RF OFF: about 14mA
Weight	Below 3 gm	RF Output	Tunable
Operating Frequency	13.56MHz	Environment	Operating Temperature Range: 10°C ~ +60°C Storage Temperature Range: -30°C ~ +80°C Humidity: 90% and below non condensing
Air Protocol	ISO/IEC15693 ISO14443A	Interface	UART Serial (CMOS)
Supported IC Tags	ISO/IEC15693: 1-CODE SLI, Tag-it HF-I Pro, Tag-it HF-I Plus LRI64, LRI2K, LRIS2K, MB89R118, MB89R119 and its compatible tags. ISO14443A: Mifare (Serial number reading only), and its compatible tags.	Support	Operating Manual, Command Manual, and Evaluation Kit: ✓ Evaluation Software (Operates on Windows platform PC) ✓ DLL(C++) ✓ DLL Functions Programmer's Manual Sample Program Source Code Program Source Code
Frequency Modulation	ISO/IEC15693: ASK10%~20% ISO14443A: ASK100%	Data Sheet Version	EMR-300
Data Rate	ISO/IEC ISO/IEC15693: 26.48kbps, 52.96kbps (Fast Mode) ISO14443A: 106kbps	Date	09 May 2013

A Product of:



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