

13.56 MHz ISO14443 OEM Reader Module ME-H10201xxx

The EHAG ISO14443 OEM Reader Module is a contactless proximity read write device that supports MIFARE®, ISO 14443A and ISO14443B cards. The module needs an antenna to operate. Typically this antenna is customized to dedicated applications. Using a serial interface the device can be connected to a Controller or a PC easily.

Applications

The main applications of the OEM 14443 Reader are in the areas of:

- ▶ Public Transport
- ▶ Payment
- ▶ PC Access, PC Logon
- ▶ Access Control, Identification: Reading the serial numbers of all cards in the field
- ▶ Ticketing: Performing read, write, increment and decrement operations in an encrypted environment.
- ▶ Data Storage: Performing encrypted read and write operations.
- ▶ Multi applications: Performing read, write, increment and decrement operations on various sectors of the MIFARE® Standard tags using different encryption keys.

Order Code:

All Modules

Flash Controller, Application Specific Protocol,

13.56 MHz OEM Reader Module

9110.306 / ME-H102014BB

ISO14443A, Wiegand Interface

9110.308 / ME-H102014BC

ISO14443A CMOS-TTL Interface

9110.310 / ME-H102014BD

ISO14443A, OMRON Interface

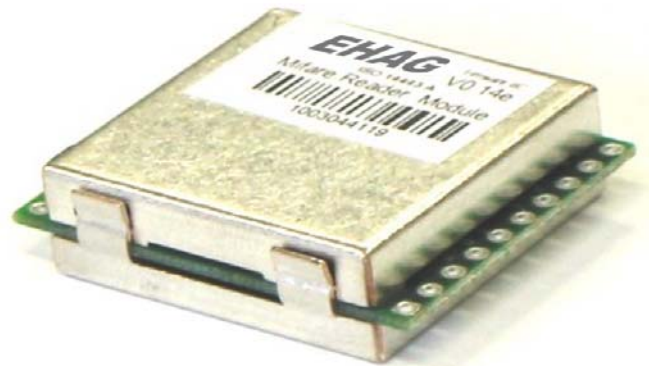
13.56MHz DUAL OEM Reader Modules

9110.312 / ME-H102016BB

ISO14443AB, Wiegand Interface

9110.314 / ME-H102016BC

ISO14443A CMOS-TTL Interface



Technical data

The 13.56MHz ISO 14443 Reader supports the majority of vicinity transponders available on the market.

Technical details of the OEM Reader Module	
Size	25,5 x 30,5 x 9,5 mm
Supported transponders	ISO 14443A Tags Mifare® Standard Mifare® Ultralight, MF1IC70, Mifare ProX, SLE55R16 ISO 14443B Tags ⁽¹⁾ SLE66CL160S ⁽¹⁾
Interface	CMOS-TTL Wiegand OMRON (on special request)
Transmission Speed	9600, n, 8, 1 up to 57.6kBAud optionally
Reading distance	up to 85 mm (depending on antenna and tag)
Supply voltage	5V/90mA (depending on antenna and power down mode)
Antenna	external
Signaling	2 LED for power and read, I/O-Pin
Temperature range	- 20°C up to + 80°C

⁽¹⁾ Dual OEM Reader Module only