

## 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

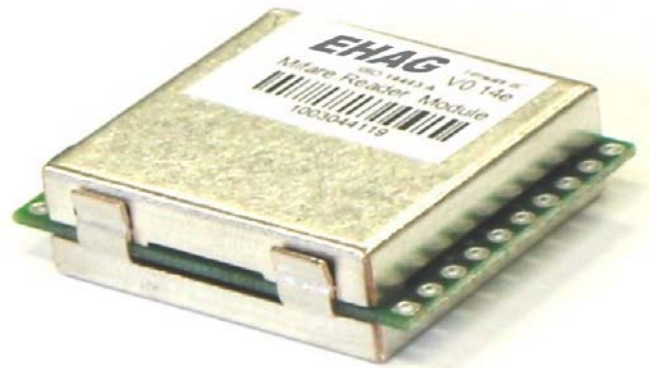
#### 13.56MHz DUAL OEM Reader Modules

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

<sup>(1)</sup> Dual OEM Reader Module only