

## Multitag Door Reader for ISO 14443 and ISO 15693 Transponders

### Key Features

The new Reader is designed for the SIEDLE Vario System BM 611 to identify both transponder standards, ISO 14443 (Proximity Card) and ISO 15693 (Vicinity Card).

The communication with a host system follows the RS.232 or RS.485 standard. The reader has a built in antenna.

The maximum reading distance is 90 mm with ISO 15693 transponders, depending on the size of the Transponder antenna. The device features a built in anticollision and can autodetect transponders from a variety of manufacturers such as I:Code.SL1 and I:Code SL2 from Philips Semiconductors, Tag-it™ HFI from Texas Instruments, my-d from Infineon, ST/LR512 from ST Microelectronics. The reader can handle several transponders simultaneously.

The reader supports the ISO 14443 encryption and security features found in Philips Semiconductors Mifare® transponders as well as Infineon's my-d transponders.

Additionally, Mifare® UltraLight and ST's SR176 transponders are supported. The security features prevent an unauthorized access to the data transfer between the reader and the tag, particularly critical in payment and ticketing applications.

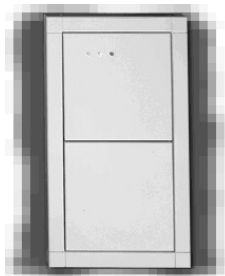
The reader has a maximum read range of 40 mm with ISO 14443 tags.

### Features:

- integrated Antenna
- RS.232/RS.485-standard serial port
- user Interface by color LEDs and beeper
- identifies multiple Transponder simultaneously
- supports security features of 13,56 MHz-Transponders
- serves best for indoor or outdoor access control systems



# Technical Specifications



<b>Supported Transponders</b>	ISO 15693	I.CODE.SL2 Tag-it HFI™ my-d vicinity STM LRI512
	ISO 14443 A und B	MIFARE® Standard MIFARE® Ultra Light my-d proximity STM SR176
	Philips Semiconductors	I.CODE.SL1
<b>Security Features</b>	MIFARE my-d	integrated optional
<b>Antenna</b>	Integrated external Antenna	Onboard optional
<b>Reading Distance</b>	ISO 15693-Transponder ISO 14443-Transponder	90 mm (max.) 40 mm (max.)
<b>Operating Frequency</b>	13,56 MHz	
<b>RF-Transmission Power</b>	250 mW	
<b>Host Interface</b>	RS.232 RS.485 Relay	optional NO / NC
<b>User Interface</b>	2 LED	red, green, yellow
<b>Memory</b>	EEPROM FLASH	1 kB (10.000 WriteCycles) 64 kB
<b>Environment</b>	Operating Temperature	-20° - +70° C
	Storage Temperature	-40° - +85° C
	Operating Humidity	20% - 80% non condensing
	Storage Humidity	20% - 90% non condensing
	Dimensions	100mm x 100mm x 40mm (W x H x D)
<b>Power</b>	Operating Voltage Operating Current	7-12 V DC +5%/-1% 280 mA max.
<b>Standards</b>	RF	Europe USA
	EMV	Europe
	Security	Europe
		EN 300 330 FCC 47 CFR Part 15 EN 301 489 EN 60950