

## RFID Readers (continued)

### EM 9936 ST



13,56 MHz/125kHz

9936ST is a standalone door access keypad controller. It can connect an additional Wiegand proximity reader for IN/OUT reader.

- Operation in User Card only + Global password, User Card + Global password or Door Access Password, Door Access Password only.
- 9936ST can add / delete User Card or Door Access Password by present card or by keypad.
- 5 x Master Cards for system operation, 32 bits card no, 2,000 cardholders, 32 bits card no. G. 200 Door Access Passwords.
- One Global Door Access Password, for card + pin purpose, one Master password for entering program mode.
- Dallas Clock IC inside, automatic time zone switching.
- Time zone control as Password, E-Lock, Alarm.

Part No.	EM 9936
Power Input	12.5 to 16V DC, 2A DC
Operating current	less than 80mA for control, 1.5A for E-lock
Card read range	40mm up for Philips Mifare Card, 100mm up for EM 4100 Card.
Response time	less than 0.2s
Reader frequency	13.56MHz for Mifare / 125KHz for EM
Alarm output	5VDC with 25mA DC
Product Dimension	86mm x 86mm x 21mm
IN/OUT reader	IN reader ID-1, OUT reader ID-2
Audio output/ Visual output	Beep sound/ Red / Yellow / Green Led
Input signal	Door sensor, door release button & Tamper switch
Output signal	Electric lock N/C & N/O selectable, alarm output.

Part No.	Ord.No.
S EM 9936 ST-BK (black)	74772
O EM 9936 ST-WH (white)	74773

## UW Series



125kHz

### UW-DAL READER

UW-DAL is RFID reader module working on the principle of contactless reading data from Unique transponder (EM MICROELECTRONIC MARIN SA - P4150). Unique transponder has "Read Only" memory with 40-bit identification number stored in it (ID numbers are different for each transponder). Reader sends this number via 1-wire Bus in format DS1990.

### UW-U4x READER

The UW-U4x is RFID card reader, which belongs to Unique family.  
 Support for Unique, Q5 transponder  
 1000 card memory with built-in lock driver  
 RS-485 interface, RS-485 bus addressability  
 Built-in relay and buzzer  
 Built-in push-button and warning LED's on front panel  
 Built-in push-button for reset  
 Built-in tamper with spring  
 Set-up capability for inputs and outputs  
 Two-state outputs control, read-out of two-state input  
 Data security by password, events memory

Part No.	UW-DAL	UW-U4Z	UW-U4R
Supply voltage	7...25V	7...16V	7-16V
Supply current	30...55 mA	30...60 mA	120mA
RF module working frequency	125 kHz		
Data receiving speed	RF/64 (1953b/s)		115200 bps
Max. Read distance	15 cm (MAX.)	up to 12 cm	up to 12cm
Antenna		internal	
Transmission	1-wire (dallas)		
Dimensions	82 x 82 x 22 mm		

Part No.	Description	Ord.No.
S UW-DAL READER	RFID reader DALLAS protocol	61224
S UW-U4R READER	RFID reader RS485 int. Memory	72845
S UW-U4Z READER	RFID reader RS485 int. Memory	72315

## TWN3 Series



The TWN3 reader family supports 125 kHz or 13.56 MHz: HID PROX, HID iCLASS, IN-DALA, 125kHz Multitags (EM410x, HITAG-1, HITAG-2, HITAG-S, EM4150, T5567, Q5), MIFARE (Mifare Ultralight, Mifare Ultralight C, Mifare Mini, Mifare 1k and 4k, Mifare DESfire, Mifare PLUS) and LEGIC (advant and prime). The TWN3 Reader is available as OEM-board and as desk reader in housing (USB or RS232 connection). The compact sized device is equipped with 2 LEDs and a loud-speaker. Operating mode can be keyboard emulation (simply plug into your computer, no drivers are necessary) or a virtual comport with full access to the transponder.

Part No.	TWM3 Multi ISO	TWM3 Multi 125
Housing	Material ABS, color black or white	
Frequency	13.56 MHz	125KHz
Dimensions	88mm x 56mm x 18mm	
Power Supply	5V ± 10% via communication cable	
Supply Current	N/A	220mA
Antenna	PCB Aircoil	Aircoil
Read-/Write Distance	Up to 10cm (depending on transponder)	
Supported Transponders	EM410x	ISO14443A:
	HITAG 1	Mifare Ultralight,
	HITAG 2	Mifare Ultralight C,
	HITAG S	Mifare Mini
	EM4150	Mifare 1k, 4k
	T5567, Q5	Mifare DESfire
		Mifare Plus
	ISO14443B	
	ISO15693	

Part No.	Ord.No.
S TWN3 MULTI ISO OEMPCB	78265
S TWN3 MULTI 125 OEMPCB	78259
S TWN3 HOUSING BLACK	78274
S TWN3 SUB D9 CABLE	78279
S TWN3 USB CABLE	78278

