

## Access Control Reader (Mifare) “AMR212”

The iDTRONIC AMR212 reader is for building networks in Access Control applications. It is designed for reading NXP Mifare cards. The reader is available in 2 different dimensions and the reading distance is up to 6cm. The interface options are: Wiegand, Clock&Data, RS485 and RS232.

The AMR212 reader is perfect, if flexibility, size and price are the critical factors.



### Product specification:

<b>Dimensions:</b>	120 x 46 x 23mm (version A) 120 x 75 x 23mm (version B)
<b>Housing:</b>	IP 44, Material PS
<b>Colour:</b>	Dark grey
<b>Interface:</b>	Wiegand 34bits, Clock&Data, RS232 or RS485
<b>Power supply:</b>	15V. Low power dissipation with single power supply
<b>Operating temperature:</b>	-10°C to 55°C
<b>Status:</b>	Built-in bi-color LED and Buzzer
<b>Features:</b>	Built-in antenna, Pig-tail cable 30cm
<b>Supported transponders:</b>	NXP Mifare MF1S50
<b>Reading distances:</b>	up to 60mm (with ISO card size tag)
<b>Decoding time:</b>	less than 100ms
<b>Order number:</b>	R-AC-AMR212-WI (Wiegand) R-AC-AMR212-CD (Clock&Data) R-AC-AMR212-232 (RS232) R-AC-AMR212-485 (RS485)

### Interface description:

NUMBER	COLOUR	SYMBOL	DESCRIPTION
1	Red	VCC	Positive Power Supply
2	Black	GND	GND
3	Green	WD0 (DATA)	Output as DATA0 in Wiegand and Clock&Data
4	White	WD1 (CLK)	Output as DATA1 in Wiegand and Clock&Data
5	Brown	HOLD (CP)	Output as HOLD in Wiegand and CARD PRESENT in Clock&Data
6	Yellow	SEL	Wiegand/Clock&Data selection NC: Wiegand; GND : Clock&Data
7	Blue	LED	Input, internally pulled up to +5V Connected to GND will change the colour of LED:
8	Grey	BUZ	Input, internally pulled up to +5V. Connected to GND will activate the BUZZER: