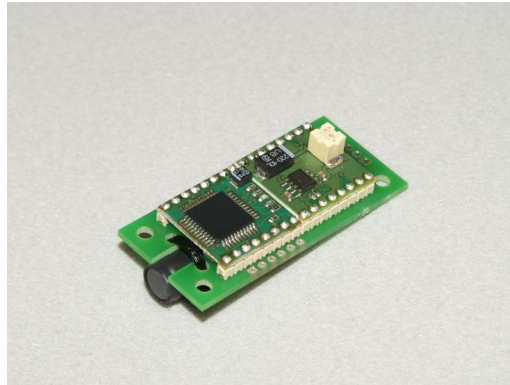


Multireader Ferrit type



The Reader module of Elatec is what you need, if flexibility, size and price are important.

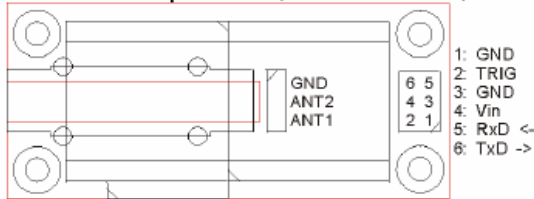
Due to its compact size with integrated antenna it is designed especially for integration in manipulators and logistic transportation systems.

Main features are possibility of external triggering, the possibility of connecting an external antenna and the possibility of recognizing multiple types of transponders.

Technical data

Housing	Without
Frequency	125 kHz +/- 0,5%
Dimensions (L x W x H)	56 * 25 * 29 mm (with ferrit stick antenna)
Power supply	+8...12 V DC
Current input	Stand by: 15mA Operating: max. 75mA
Temperature range	-20°C up to +60°C (-4°F up to +140°F)
Antenna	Ferrit stick antenna
Read- / write distance	Proximity
Transponders supported	<ul style="list-style-type: none"> EM4102, UNIQUE (read only) HITAG-1, HITAG-2, HITAG-S32, HITAG-S256, HITAG-S2048 (all without krypto mode) EM4150, TITAN EM4105, ZOODIAC (read only) Q5, T5555, T5557
Technical certificates	CE, FCC (in preparation)
Weight	approx. 30g
Order code	AXA250 (RS232 version) AXA550 (USB version)

Schematic picture (Antenna behind)



Pinning Communication port

Pin	Description
1	GND
2	TRIG (Trigger input), optional Signal level: 0 Volt or 24 Volt
3	GND
4	VIN (+8V to +12V, max. 75mA)
5	RXD (Data input, V24-level)
6	TXD (Data output, V24-level)

Pinning Antenna port

Pin	Description
1	GND cable-shielding
2	ANT2 2. connect ext. antenna
3	ANT1 1. connect ext. antenna

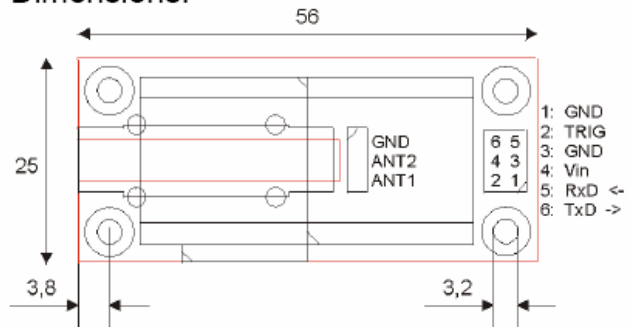
Connection to power:

Use of unregulated power supply is allowed.
Connect negative pole of power supply with GND, positive pole with VCC.

Connection to a PC:

Pin (Reader)	Pin (PC, 9-pol)	USB
3 (GND)	5 (GND)	Black (GND)
4 (Vin)		Red (VCC)
5 (RXD)	3 (TXD)	Green (D+)
6 (TXD)	2 (RXD)	White (D-)

Dimensions:



All dimensions approx. and in mm.
Height approx. 20mm.
Size and position of wholes equal in every direction.

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