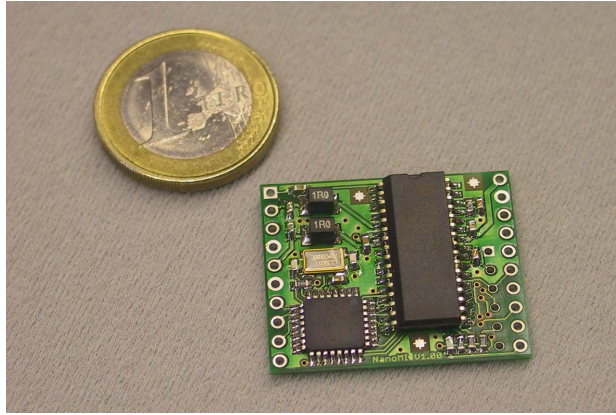


### Nano Reader Module MultiISO



Elatec's MultiISO Reader Module is designed for integration into machines, handheld computers or any other device. The focus has especially been set on size, price and flexibility.

Thanks to its compact dimensions, integration directly on a PC board is possible.

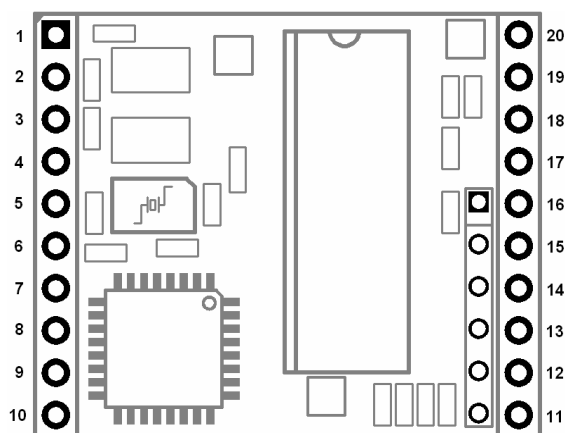
Outstanding features are: 4 user-configurable ports (to be configured as input or output), beeper support and different sleep modes for lowest power consumption. The simple ASCII protocol enables quick software development cycles. All host communication is done via RS-232 interface. The module is prepared for connection of a mifare® SAM module to achieve maximum flexibility and security features.

## Technical data

<b>Housing</b>	without		
<b>Frequency</b>	13.56 MHz		
<b>Dimensions (L x W x H)</b>	30.48mm x 25.40mm x 3.7mm		
<b>Power supply</b>	5.0 V DC		
<b>Current consumption</b>	RF field off: 20mA RF field on: typically 120mA, depending on antenna		
<b>Temperature range</b>	-25°C up to +85°C (-13°F up to +185°F)		
<b>Antenna</b>	To be connected externally		
<b>Read- / write distance</b>	Proximity, depending on antenna		
<b>Transponders supported</b>	ISO 14443A / mifare®	ISO 14443B	ISO 15693
	<ul style="list-style-type: none"> <li>• Ultralight, light, mini</li> <li>• Ultralight C</li> <li>• Classic 1k</li> <li>• Classic 4k</li> <li>• DESFire</li> <li>• Legic Advant (UID only)</li> </ul>	<ul style="list-style-type: none"> <li>• SRI512</li> <li>• SRT512</li> <li>• SRI4K</li> <li>• SRIX4K</li> </ul>	<ul style="list-style-type: none"> <li>• I•Code SLI</li> <li>• Tag-it™</li> <li>• Legic Advant (UID only)</li> <li>• picopass® (UID only)</li> </ul>
<b>Weight</b>	Approx. 5g		
<b>Order code</b>	AXD110		

All dimensions approximately and in mm.  
Raster unit 2,54 mm.

### Schematically picture (component side)



### Pinning

Pin	Name	Description
1	AntRX	Antenna receiver input
2	AntTX1	Antenna transmitter output 1
3, 20	VCC	5V
4, 6, 19	GND	Ground
5	AntTX2	Antenna transmitter output 2
7	SAM_Clk	SAM module clock
8	SAM_IO	SAM module data I/O
9	SAM_Reset	SAM module reset
10	NC	Not connected
11	RXD	RS-232 receiver input
12	TXD	RS-232 transmitter output
13	GPIO0	General purpose input/output 0
14	GPIO1/Beeper	General purpose input/output 1, connection port for beeper
15	Reset	Asynchronous reset
16	NC	Not connected
17	GPIO2	General purpose input/output 2
18	GPIO3	General purpose input/output 3

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