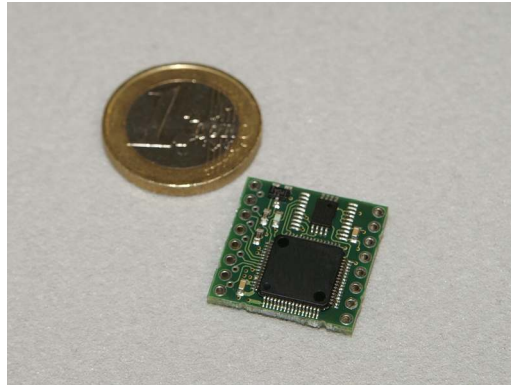


Small-size RFID module for 3.3 volt operation



Elatec's RFID module is designed for integration into machines, handheld computer or any other device. The focus is set especially on size, price and flexibility.

Thanks to it's compact dimensions an integration directly on a PC board is possible.

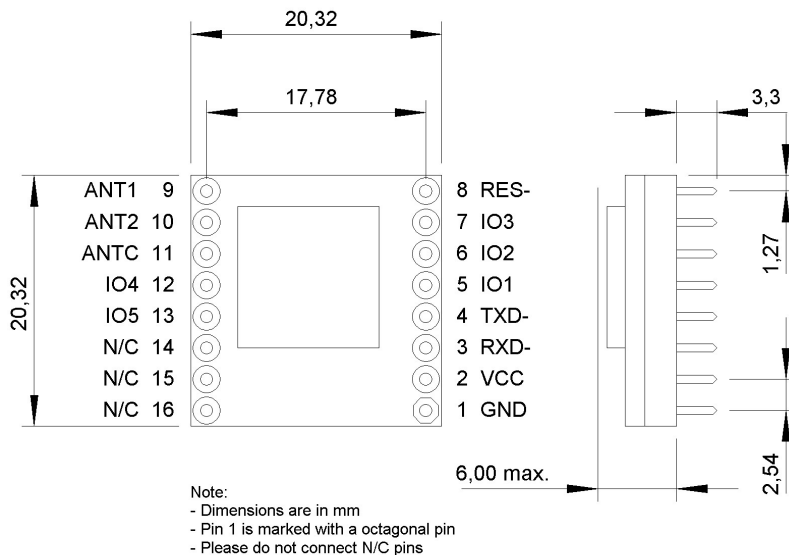
Following special features:

- Support for many different transponder types.
- Five configurable I/Os.
- Transponder operation can be triggered externally.

Optionally, a version with support for HITAG™ crypto mode is available.

Technical data

Housing	Without
Frequency	125 kHz +/- 0,5%
Dimensions (L x W x H)	20,32 mm x 20,32 mm x 6,0mm Height is measured from surface of carrying PCB. Length of pins for soldering into carrying PCB is additional 3.3mm
Power supply	3.3V - 5.0V
Current input	RF field off: 15mA RF field on: <75mA, depending on antenna
Temperature range	-20°C to +60°C (-4°F to +140°F)
Antenna	To be connected externally (490 µH)
Read- / write distance	Depending on antenna up to 10cm
Transponders supported	<ul style="list-style-type: none"> • EM4102, UNIQUE • HITAG-1, HITAG-2, HITAG-S (optional support for crypto mode) • EM4150, TITAN • 4026
Technical certificates	CE
Weight	approx. 3g
Ordering info	AXA033



Elatec reserves the right to change any information or data in this document without prior notice. The distribution and the update of this document is not controlled. Elatec declines all responsibility for the use of product with any other specifications but the ones mentioned above. Any additional requirement for a specific customer application has to be validated by the customer himself at his own responsibility. Where application information is given, it is only advisory and does not form part of the specification.

Elatec GmbH, Identification Systems
 Max-Planck-Str. 16, D-82223 Eichenau, GERMANY
 Phone: +49 8141 53498-0
 Fax: +49 8141 53498-29
RFID@elatec.de

Elatec Vertriebs GmbH
 Hans-Pinsel-Str. 10b, D-85540 Haar, GERMANY
 Phone: +49 89 46 23 070 ;
 Fax: +49 89 460 24 03
info@elatec.de