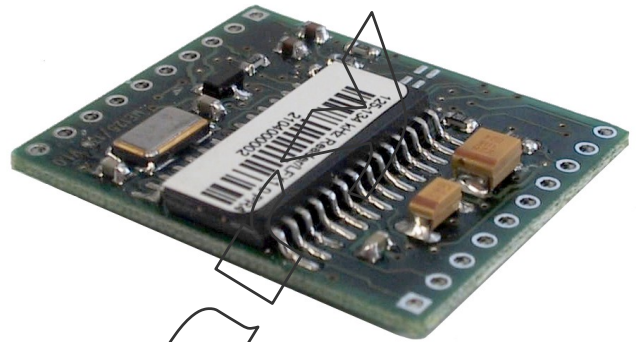


### ACG HF Dual ISO OEM Module RDHO-0401N0-01

The ACG HF Dual ISO OEM Module is a contact less proximity read/write device that, with its interoperability capability, supports various ISO14443A and ISO14443B RFID-devices, including the whole MIFARE® family. The module needs an external application specific antenna to operate. By using the serial interface the device can be connected to a controller or any host system easily. An integrated SAM Interface enables a state of the art security level. The integrated boot loader enables firmware upgrades and uploads of customer specific applications via the serial interface.



#### Typical Applications

- ▶ Public Transport
- ▶ Ticketing
- ▶ Payment
- ▶ Authentication

- ▶ PC Access
- ▶ Access Control
- ▶ Road Pricing
- ▶ e-Passport

#### Technical Data

Part Number	RDHO-0401N0-01	
RF Transmit Frequency	13.56MHz	
Standards Supported	ISO14443A, ISO14443B	
Tags Supported	MIFARE® Standard MIFARE® 4k MIFARE® Pro MIFARE® Ultralight MIFARE® DESFIRE SmartMX SLE 55Rxx SLE 66CL160S SLE 66CLX320F	SR176 SR1X4K ISO14443A Tags ISO14443B Tags Jewel Tag (Tested only with a Jewel Tag Emulator) Sharp B ASK GTML2ISO
Typical Read Time	Depending on chip type / for Serial Number only	
Host Communication	Point-to-Point	
Communications Interface	CMOS-TTL	
Communications Protocol	Specific ASCII or Binary Protocol	
Communications Parameter	9600 Bit/s to 460 kBit/s, 8,N,1	
Firmware Bootloader	Supported via Serial Interface	
Power Supply	5VDC regulated	
Current Consumption	90 - 150 mA depending on antenna < 1mA at power down mode	
Reading distance	up to 95 mm, depending on tag and antenna	
RF Transmission Speed	up to 848 kBit/s	
Antenna	External	
Input/Output Connector	Read indicator LED, 1 I/O Port, SAM Interface	
Size	(LxWxH) 25,5x30,0x4,8mm ± (L/W) 0,5 (H) 1,0 / 1,00x1,18x0,19Inch ± (L/W) 0,02 (H) 0,04	
Weight	Approx. 5g	
Operating Temperature	-20°C to +80°C / - 4F to + 176F	
Storage Temperature	-40°C to +85°C / - 40F to + 185F	
Relative Humidity	t.b.d.	
Approvals	ETS 300-330, CE, pending	

For more information, please contact the sales office nearest you. The contact information and more product information can be found at: [www.acg.de/RFID](http://www.acg.de/RFID)

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