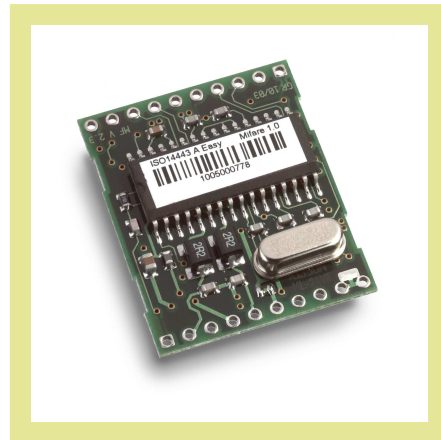


ACG HF Mifare Easy Wiegand OEM Module

RDHO-0505N0-01

The ACG HF Mifare Easy Wiegand OEM Module is a contact less proximity read/write device that supports various RFID-devices out of the mifare® family and the ISO 14443 A standard. 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. The small form factor enables a design in even into very compact systems. The Wiegand interface is configurable and adoptable to a variety of Wiegand protocols.



Typical Applications

- e-Payment
- e-Toll Road Pricing
- e-Ticketing for Events
- e-Ticketing for Public Transport
- Access Control
- PC Access
- Authentication
- Printer / Mobile Devices / Production Equipment

Technical Data

Part Number	RDHO-0505N0-01		
RF Transmit Frequency	13.56MHz		
Supported Standards	ISO14443A		
Supported Tag-ICs	mifare® Standard mifare® 4k Serial Number only for: mifare® Pro X mifare® Ultralight mifare® DESFire	SLE66R35 SLE44R35	ISO 14443A Tags
Default Configuration	40bit, Sector 0, Block 0 = Serial Number		
Host Communication	Point-to-Point		
Communications Interface	CMOS-TTL		
Communications Protocol	Wiegand Protocol		
Communications Parameter	30µs Pulswidth		
Firmware Boot-Loader	no		
Software, Driver	Reader Utility for reading / writing Administrator Cards		
Power Supply	5VDC ± 10% regulated		
Current Consumption	90 – 150 mA depending on antenna < 10mA at power down mode		
Reading distance	Up to 85mm, depending on tag and antenna		
RF Transmission Speed	106 kBit/s		
Antenna	External		
Input/Output Connector	Output: 2 status indicator LED lines, 1 Buzzer; Input: invert Read LED / Buzzer function		
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	5 g± 10% / 0.01 lb± 10%		
Operating Temperature	-20°C to + 80°C / -4F to +176F		
Storage Temperature	-40°C to + 85°C / -40F to +185F		
Firmware Version	1.0		
MTBF	3.000.000 h		
Approvals/Compliances	RoHS compliant		

For more information, please contact the sales office nearest you or visit our website: www.acg-id.com

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