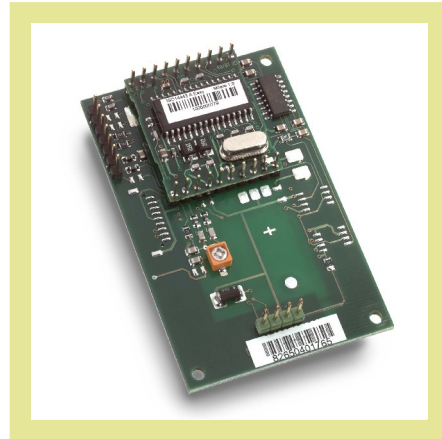


ACG HF Mifare Easy Compact Plug & Play Module

RDHC-0502N0-01

The ACG HF Mifare Easy Compact Plug & Play 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 comes with an integrated and optimized antenna for a quick and easy integration into applications. By using the serial interface the device can be connected to a controller or any host system easily. The form factor enables a design in even into very compact systems.



Typical Applications

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

Technical Data

Part Number	RDHC-0502N0-01		
RF Transmit Frequency	13.56MHz		
Supported Standards	ISO14443A		
Supported Tag-ICs	MIFARE® Standard MIFARE® 4k MIFARE® Pro X MIFARE® Ultralight MIFARE® DESFire (Serial No. only)	SLE66R35 SLE44R35	ISO 14443A Tags
Host Communication	Point-to-Point		
Communications Interface	RS232 Serial Interface		
Communications Protocol	Specific ASCII and Binary Protocol		
Communications Parameter	9600 Bit/s to 57600 Bit/s, 8, N, 1		
Firmware Boot-Loader	no		
Software, Driver	API - DLL		
Power Supply	5VDC ± 10% regulated		
Current Consumption	150 mA < 10mA at power down mode		
Reading distance	Up to 85mm, depending on tag and antenna		
RF Transmission Speed	106 kBit/s		
Antenna	Integrated		
Input/Output Connector	Bidirectional Read indicator LED, 1 I/O Port		
Size	(LxWxH) 70.0x45.0x12.1mm ± 1.0mm / 2.76x1.77x0.48 Inch ± 0.04 Inch		
Weight	16g ± 10% / 0.04 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		
Approvals/Compliances	EN 300-330, CE, FCC Part 15, RoHS compliant		

For more information, please contact the sales office nearest you or visit our website: www.acg.de/RFID

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