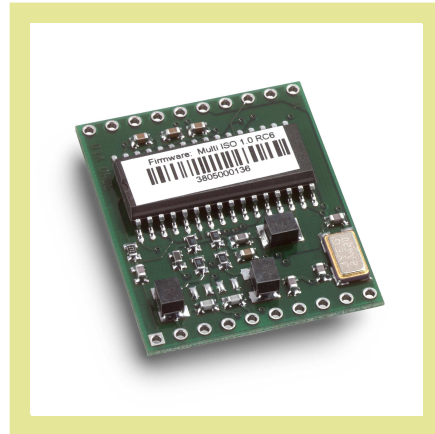


ACG HF Multi ISO OEM Module

Code: RDHO-0201N0-02

The ACG HF Multi ISO OEM Module is a contact less proximity read/write device that supports various ISO14443 A/B, ISO15693, ISO18000-3, NFC and EPC 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. This RFID read/write unit is optimized for maximum data throughput rates on both, the air interface as well as the serial interface. The built in boot-loader enables firmware field upgrades via the serial interface.



Typical Applications

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

Technical Data

Part Number	RDHO-0201N0-02		
RF Transmit Frequency	13.56MHz		
Supported Standards	ISO14443A, ISO14443B, ISO 15693, ISO 18000-3, NFC enabled, ICODE		
Supported Tag-ICs	mifare® Standard mifare® 4k mifare® Pro mifare® Ultralight mifare® DESFIRE mifare® SmartMX I-CODE SLI (SL2 ICS 20) I-CODE EPC (SL2 ICS 10) I-CODE UID (SL2 ICS 11) I-CODE NFC (Reader To Tag Mode)	SLE 55Rxx SRF55VxxP+S SLE 66CL160S SLE 66CLX320P SR176 SR1X4K LRI 64 LRI 512 EM4135 KSW Temp Sens®	Tag-it™ HF-I Standard Tag-it™ HF-I Pro Jewel Tag Sharp B ASK GTML ASK GTML2ISO TOSMART P032/P064 ISO14443A Tags ISO14443B Tags ISO15693 Tags
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 Boot-Loader	Supported Via Serial Interface		
Software, Driver	API - DLL (MSVC++)		
Power Supply	5VDC regulated		
Current Consumption	90 – 200mA depending on antenna < 10µA at power down mode		
Reading distance	up to 90 mm / 3.54 Inch, depending on tag and antenna		
RF Transmission Speed	up to 848 kBit/s		
Antenna	External		
Input/Output Connector	2 status indicator LED lines, 1 I/O Port, SAM Interface		
Size	(LxWxH) 25.5x30.0x4.8mm ± (L/W) 0.5 (H) 1.0 / 1.00x1.18x0.19 Inch ± (L/W) 0.02 (H) 0.04 Inch		
Weight	5g ± 5% / 0.01 lb± 5%		
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		

