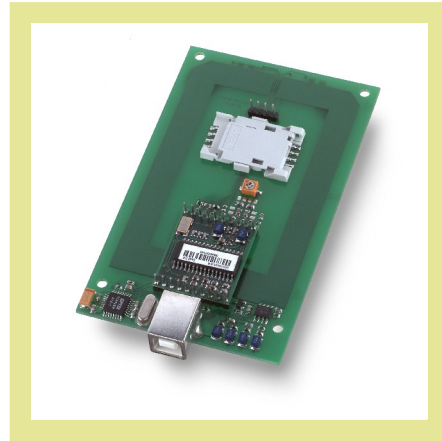


ACG HF Multi ISO Short Range USB Plug & Play Module RDHS-0204N0-01

The ACG HF Multi ISO Short Range USB Plug & Play Module is a contact less proximity read/write device that supports various ISO14443A/B, ISO 15693, ISO 18000-3 and EPC RFID-devices, including the whole MIFARE® family. The module has a built in antenna. By using the USB 2.0 interface the device can be connected to a PC or any other host system easily. An integrated SAM Socket 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 USB 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 / Production Equipment

Technical Data

Part Number	RDHS-0204N0-01		
RF Transmit Frequency	13.56MHz		
Supported Standards	ISO14443A, ISO14443B, ISO 15693, ISO 18000-3, 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	SLE 55Rxx SRF55VxxP +S SLE 66CL160S SLE 66CLX320P SR176 SRIX4K LRI 12 LRI 64 LRI 512 EM4135 KSW Temp Sense	Tag-it™ HF-I Tag-it™ HF-I Light S Jewel Tag (IRT0302B11 KSW DIY Eng. Sample) Sharp S ASK GTML ASK GTML2ISO TOSMART P064 ISO14443A Tags ISO14443B Tags ISO15693 Tags
Host Communication	Point-to-Point		
Communications Interface	USB 2.0		
Communications Protocol	Specific ASCII or Binary Protocol		
Communications Parameter	9600 Bit/s to 460 kBit/s, 8,N,1		
Firmware Boot-Loader	Supported Via USB Interface		
Software Driver	Virt. COM port Driver, API - DLL (VC++), PC/SC Driver for MS Win2000/XP (for Mifare and 14443-4 only)		
Power Supply	Via USB Interface		
Current Consumption	Approx. 200 mA < 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	Integrated		
Input/Output Connector	Read indicator LED, 1 USB Port, SAM Socket		
Size	(LxWxH) 117.0x67.0x15.0mm ± 1.0mm / 4.60x2.64x0.59 Inch ± 0.04 Inch		
Weight	32g ± 10% / 0.07 lb ± 10%		
Operating Temperature	0°C to + 70°C / 32°F to +158°F		
Storage Temperature	-40°C to + 85°C / -40°F to +185°F		
Firmware Version	1.0		
Approvals	ETS 300-330, CE, FCC pending		

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

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