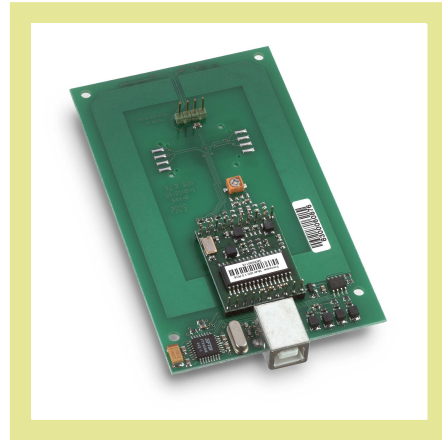# ACG HF Multi ISO Short Range USB Plug & Play Module

RDHS-0204N0-02

The ACG HF Multi ISO Short Range USB Plug & Play Module is a contact less proximity read/write device that supports various ISO14443A/B, ISO15693, ISO18000-3, NFC 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-0204N0-02		
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 SRIX4K 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	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	Virtual COM port Driver, API - DLL (VC++)		
Power Supply	Via USB Interface		
Current Consumption	Approx. 200mA < 1mA at power down mode		
Reading distance	Up to 90 mm / 3.54 Inch, depending on tag		
RF Transmission Speed	Up to 848 kBit/s		
Antenna	Integrated		
Input/Output Connector	2 status indicator LED lines, 1 I/O 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℃ to + 70℃ / 32F to +158F		
Storage Temperature	-40℃ to + 85℃ / -40F to +185F		
Firmware Version	1.0		
MTBF	200.000 h		
Approvals/Compliances	ETS 300-330, CE, FCC part 15, RoHS compliant		

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