

ACG HF Multi ISO Compact Plug & Play Module

RDHC-0202N0-02 / RDHC-0203N0-02

The ACG HF Multi ISO Compact Plug & Play Module is a contact less proximity read/write device that supports various ISO14443A/B, ISO 15693, ISO 18000-3, NFC and EPC RFID-devices, including the whole mifare® family. The module has a built in antenna. By using the serial 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 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 / Production Equipment

Technical Data

Part Number	RDHC-0202N0-02	RDHC-0203N0-02
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®
Host Communication	Point-to-Point	
Communications Interface	RS232	RS422 / RS485
Communications Protocol	Specific ASCII (not for RS485) or Binary Protocol	
Communications Parameter	9600 Bit/s to 115 kBit/s, 8,N,1	
Firmware Boot-Loader	Supported Via Serial Interface	
S/W Driver	Virtual COM port Driver, API - DLL (VC++)	
Power Supply	5V DC ± 10% regulated	
Current Consumption	150mA < 10mA at power down mode	
Reading distance	Up to 75mm / 2.95 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) 70.0x45.0x12.1mm ± 1.0mm / 2.76x1.77x0.48 Inch ± 0.04 Inch	
Weight	17g ± 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	
MTBF	200.000 h	
Approvals	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

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