



# ACG HF Multi-Iso

Compact Plug & Play module - RDHC-0202N0-02

The ACG HF Multi ISO Compact Plug & Play Module is a contactless 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.

This module has been integrated by Evolis for project purpose. It is available as an alternate solution for dedicated applications.

Mifare® cards can be encoded through eMedia Card Designer EXPERT.

Other type of card requires a dedicated software programming to handle it.

This datasheet provides details regarding the above-mentioned item integrated into an Evolis printer. Please note that specifications and details are subject to change without notice and should therefore be confirmed by Evolis prior to any purchase.

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## Targetted markets

- Security,
- Access Control,
- Transit,
- ePayment,
- PKI,
- Logistics & Supply Chain Management,
- Multi-application contactless cards



## Available on:

- Pebble
- Dualys
- Securion
- Tattoo
- Tattoo Rewrite
- Quantum

## Software Development Kit:

- Included
- Not included
  
- Free of charge
- Charged

## Computer connection:

- RS232
- USB port

# Feature set

<b>Main characteristics</b>	<p>RF Transmission frequency: 13.56 Mhz</p> <p>Communication: RS232 interface Specific ASCII and Binary Protocol Parameters 9600 to 115K bits/s, 8,N,1</p> <p>One SAM socket</p>
<b>Supported Standards</b>	<p>ISO 14443A, ISO 14443B, ISO 15693, ISO 18000-3</p> <p>NFC enabled</p> <p>ICODE</p>
<b>Supported Tag-ICs</b>	<p>Mifare® Standard, Mifare® 4K, Mifare® Pro, Mifare® Ultralight Mifare® DESFire, Mifare® SmartMX</p> <p>ICODE SLI (SL2 ICS 20), ICODE EPC (SL2 ICS 10) ICODE UID (SL2 ICS 11), ICODE</p> <p>NFC (Reader to Tag mode)</p> <p>SLE55Rxx, SLE55VxxP +S, SLE66CL160S, SLE66CLX320P SR176, SRIX4K</p> <p>LRI 64, LRI 512, EM4135, KSW Temp Sens®</p> <p>Tag-it™ HF-I Standard, Tag-it™ HF-I Pro, Jewel Tag, Sharp B, ASK GTML, ASK GTML2ISO, TOSMART P032/P064</p> <p>ISO 14443A Tags, ISO 14443B Tags, ISO 15693 Tags</p>
<b>Reading distance</b>	<p>Up to 75mm (2.95"), depending on Tag</p>
<b>Operating and Storage Conditions</b>	<p>Operating Temp. -20°C to +80°C / -4F to +176F</p> <p>Storage Temp. -40°C to +85°C / -40F to +185F</p>
<b>Approvals / Compliances</b>	<p>EN300-330</p> <p>CE</p> <p>FCC Part 15</p> <p>RoHS compliant</p>
<b>Software</b>	<p>Virtual COM port Driver, API - DLL</p>
<b>Computer interface</b>	<p>RS232 between the Evolis printer and the computer</p> <p>Cable supplied</p>

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