

## ACGPass Short Range USB Plug & Play Module

### RDHS-0404N0-04

The ACGPass USB Plug & Play Module is a contact less proximity read/write device that, with its interoperability capability, supports various ISO14443A and ISO14443B 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 serial interface.



### Typical Applications

- e-Passport
- e-National ID Cards
- e-Drivers Licenses
- e-Government
- e-Health Cards
- e-Document Authentication
- e-Document Issuing
- Printer / Production Equipment

### Technical Data

Part Number	RDHS-0404N0-04		
RF Transmit Frequency	13.56MHz		
Supported Standards	ISO14443A, ISO14443B		
Supported Tag-ICs	mifare® Standard mifare® 4k mifare® Pro mifare® Ultralight mifare® DESFIRE mifare® SmartMX	SLE 55Rxx SLE 66CL160S SLE 66CLX320P SR176 SR1X4K	ISO14443A Tags ISO14443B Tags Jewel Tag Sharp B ASK GTML2ISO TOSMART P032/P064
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		
S/W Driver	Virtual COM port Driver, DLL (VC++), PC/SC Driver for MS Windows 2000/XP		
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	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°C to + 70°C / 32F to +158F		
Storage Temperature	-40°C to + 85°C / -40F to +185F		
Firmware Version	2.2		
MTBF	200.000 h		
Approvals/Compliances	ETS 300-330, CE, RoHS compliant		

**For more information, please contact the sales office nearest you or visit our website: [www.acg-id.com](http://www.acg-id.com)**

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Document # 1503-DTS-00-0-04

Subject to technical modifications 05/06