

ACGPass OEM Module

RDHO-0401N0-04

The ACGPass OEM 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 needs an external application specific antenna to operate. By using the serial interface the device can be connected to a controller or any host system easily. An integrated SAM Interface 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 / Mobile Devices / Full-Page Scanner

Technical Data

Part Number	RDHO-0401N0-04		
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	CMOS-TTL		
Communications Protocol	Specific ASCII or Binary Protocol		
Communications Parameter	9600 Bit/s to 460 kBit/s, 8,N,1		
Firmware Boot-Loader	Supported Via Serial Interface		
S/W Driver	DLL and API available (VC++), PC/SC Driver for MS Windows 2000/XP		
Power Supply	5VDC regulated		
Current Consumption	90 – 200 mA depending on antenna < 10µA at power down mode		
Reading distance	up to 95 mm, depending on tag and antenna		
RF Transmission Speed	up to 848 kBit/s		
Antenna	External		
Input/Output Connector	2 status indicator LED lines, 1 I/O Port, SAM Interface		
Size	(LxWxH) 25.5x30.0x4.8mm ± (L/W) 0.5 (H) 1.0 / 1.00x1.18x0.19Inch ± (L/W) 0.02 (H) 0.04		
Weight	5g ± 5% / 0.01 lb± 5%		
Operating Temperature	-20°C to +80°C / - 4F to + 176F		
Storage Temperature	-40°C to +85°C / - 40F to + 185F		
Firmware Version	2.2		
MTBF	3.000.000 h		
Approvals/Compliances	RoHS compliant		

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

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