

AIO 'All-In-One' 13.56 MHz RFID module



The multi-interface and multi-technology RFID module “AIO” offers an extreme level of flexibility.

AIO is a cost-effective RFID module, suited for use with transponders in all common 13,56MHz technologies, including MIFARE, LEGIC and NFC, and offering not less than 8 different interfaces, all on board. This universal application possibility offers enormous advantages compared to other modules supporting just one technology or a single interface.

Of course, full attention has been given to ensure easy implementation with its power range from 3.3 Vdc to 5 Vdc.

The AIO RFID module has been developed on the modern LEGIC advant 4200 core chip. But depending on the application, the same modules are available with LEGIC advant 4200M, 4500 or 4500M chips.

This very useful multi-interface and multi-technology 13.56 MHz RFID module can thus easily be integrated in different applications such as time & attendance terminals, POS systems, vending machines, handheld and desktop readers, ...

Some of the highlights :

- smallest read/write module
- best price/quality ratio
- multi-functional application options
- low power consumption
- multi-standard

Supported technologies :

The shown transponder types just represent a selection of the compatible types !

- LEGIC RF : Legic Prime; LEGIC Advant
- ISO 14443A+B, up to 424 kb/s : Mifare DESFire; NXP SmartMX; Infineon SLE
- ISO 15693 : EM4035; Tag-It HFI; Infineon SRF55VxxP; ISO18000-3 mode 1
- ISO 18092/NFC (passive mode, initiator, selected tag types)
- HID iClass (ISO15693 UID only)
- Sony Felica (ISO18092)
- Inside Contactless (UID only)

Technical specifications:

- Dimensions: 61 x 18 x 5 mm
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- Interfaces:
 - TTL
 - SPI
 - I²C
 - RS232
 - USB 2.0
 - in HID mode (keyboard emulation)
 - as virtual COM port (over FTDi)
 - in transparent mode with direct access to the RFID core chip
 - PC/SC
- Power supply : 3,3V to 5V DC
- USB connection:
 - standard USB 2.0
 - micro USB
 - as USB dongle with cable
 - soldering pads
- Internal antenna
- Temperature range: -20°C to + 60°C
- CE, RoHS