

OEM Reader/Writer – NFC / ISO 14443A

This universally applicable iDTRONIC NFC / ISO 14443A reader has an integrated antenna and is based on the latest NXP RFID technology. It combines all technical requirements for use in a variety of RFID market segments and applications.

It supports both Mifare (ISO14443A) and active<>passive / active<>active Near Field Communication (NFC) according to ISO18092. This *peer to peer* (p2p) function allows automatic intuitive communication between for instance NFC mobile phones and point-of-sales terminals, vending machines or access counter.

This iDTRONIC NFC/ISO14443A reader/writer comes with antenna. It is possible to achieve 5cm (passive mode) to 10cm reading distance (active mode).



Applications:

- Data exchange
- Ticketing
- Point of sales
- Access control

Product specification:

Description:	OEM reader/writer NFC / ISO14443A with antenna (Arygon product)
Dimension:	70 x 45 x 4,0mm
Interfaces:	RS232, RS485, Wiegand, USB
Communication protocol:	ARY (HL - high level language) TAMA (LL - low level language)
Baud rate UART (to host):	µC equipped: 9.6, 19.2, 38.4, 57.6, 115.2, 230.4, 460.8 kBaud No µC equipped: up to 921.6 kBaud
Baud rate (to passive/active devices):	up to 424,0 kBaud
Supported transponders:	NXP Mifare, DESFire ISO 14443A transponders
Power supply:	+5,0 VDC
Power consumption:	typical 120 mA
Temperature range :	-20 ↔ +85°C
Reading range:	50 mm (passive mode) depending on tag and antenna size 100 mm (active mode)
User I/O:	8 x IO ports, 1 x PWM Output (PIN), 1 x Open drain (PIN), 1 x Analog Input (Sold Pad), User Interrupt Pin for wake up.
Options:	UART, I2C, SPI, S2C interfaces
Order number:	R-NFC-OEM-xx