

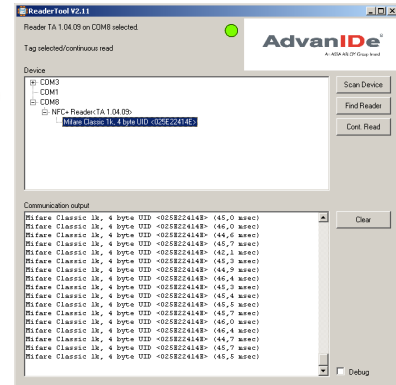
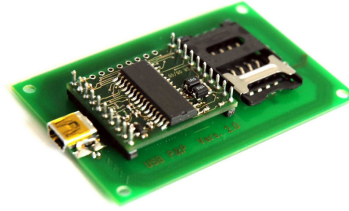
# AdvanIDe<sup>®</sup> r-MOD and m-MOD NFC Developer's Kit

Enable new RFID applications with NFC readers and tags  
Easy integration of NFC technology into OEM devices

The AdvanIDe Plug & Play Boards are targeting developers & system integrators of NFC applications.

With the two models r- MOD and m- MOD provides AdvanIDe options of the widest range of NFC use cases.

The developers Kit consists of a variety of contact less tags and 1 r-MOD and 1 m-MOD Plug & Play reader boards including antenna and USB interface to the host. The kit is complemented by the ReaderTool SW and comprehensive manual.



### Applications:

- Access Control
- Security Applications
- Cashless Payment
- Vending
- Object Identification
- Automated Fare Collection
- e-Ticketing
- Office Automation
- eVouchers
- NFC based Loyalty
- Advertising Displays

### Features:

- Drivers are available for the most common operating systems
- Services for design in customization & support
- Optional Antenna customization service
- SAM Socket

### Content:

- 1 AdvanIDe r-MOD NFC P&P reader board
- 1 AdvanIDe m-MOD NFC P&P reader board
- 2 USB Cable
- 1 CD with documentation & reader tool SW
- 5 NXP NFC NTAG203 Keyfobs
- 5 NXP NFC NTAG203 Labels
- 5 NXP Mifare™ Classic 1K Cards
- 5 NXP Mifare™ DESFIRE EV1 Cards
- 5 Infineon my-d™ NFC SLE66R01PN Cards
- 5 Infineon my-d™ NFC SLE66R01PN Labels
- 5 Infineon my-d™ NFC SLE66R32P Labels
- 5 Infineon my-d™ NFC SLE66R01PN Keyrings

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my-d™ is a registered trademark of Infineon Semiconductors

	r-MOD P&P Board	m-MOD P&P Board
<b>Standards</b>		
ISO 14443 A part 1, 2, 3	✓	✓
ISO 14443 B	✓	✓
ISO 15693		✓
NFC Card Emulation Mode, T=CL	✓	
NFC Reader Mode	✓	✓
NFC Initiator Peer-Peer active mode	✓	
NFC Target Peer-Peer active mode	✓	
NFC Initiator Peer-Peer passive mode	✓	✓
NFC Target Peer-Peer passive mode	✓	

	r-MOD P&P Board	m-MOD P&P Board
<b>Functionality</b>		
SN reading, Anticollision	✓	✓
Read Write Support	✓	✓
MIFARE Authentication	✓	✓
Boot loader for firmware update	✓	✓
APDU support	✓	✓
SAM support	✓	✓
Supported technologies		
MIFARE 1k, 4k, Mini (4Byte / 7Byte UID)	✓	✓
MIFARE Ultralight, Ultralight C, Ntag203	✓	✓
MIFARE Plus and DESFire EV1 2/4/8K	✓	✓
SLE66R35 (4Byte / 7Byte UID)	✓	✓
T=CL / 14443 A and B	✓	✓
ICODE (SLI, S, L, UID, EPC)		✓
my-d™ NFC (01PN, R16P, R32P)	✓	✓
Felica, Sony Dynamic Tag		✓
<b>General</b>		
Interface	USB 2.0, Mini-B connector, virtual com port driver	
Operating System	Windows 98, ME, 2000, XP, Vista, 7, Server 2003, Server 2008, CE 4.2, Mobile 5, Mac OS8/9, Mac OS-X, Linux 2.4	
Power Supply	Supplied over USB (5VDC)	
Reading Distance	Up to 85mm (depending on used tag)	
Antenna	Included	Included
Inputs and Outputs	3 onboard indicator LEDs	
Dimension / Weight	70.0x45.0x8.0mm ± 1.0mm / 19,5 g± 10%	
Temperature Range	-20°C to +80°C operational / -40°C to +85°C storage	
RoHS conformity	Yes	Yes