

Card structure details to be provided by card issuer

Project name <i>e.g. name of organization or building in which cards are used</i>	
Card type	MIFARE DESFire
Operation	Read a programmed card number (PCN) from a file on the card

To configure BALTECH RFID readers for MIFARE DESFire cards issued for the above project, please provide the following information about the card structure:

Application ID (AID) <i>in hexa-decimal encoding and most significant byte first (MSB first)</i>	
File number <i>Number of the file that contains the programmed card number (PCN). Must be between 0 and 31.</i>	
PCN start position <i>Number of the byte within the file in which the programmed card number (PCN) starts.</i>	
PCN length <i>Length of the programmed card number (PCN) in bytes.</i>	
Is the file protected with a key?	Yes No
Encryption algorithm	AES DES 3DES 3K3DES
Key number <i>Number of the read key for the file specified above.</i>	
Read key <i>If entered here, transfer this file in encrypted form only, or transfer the key separately via a secure method.</i>	

<p>Is the key diversified according to NXP: AN 10922 – Chapter 2.1?</p>	<p>Yes No</p>
<p>Communication settings <i>Level of protection for reader-card communication upon successful authentication.</i></p>	<p>Encrypted MAC Plain</p>
<p>PCN encoding <i>Data format in which the programmed card number (PCN) is encoded on the card.</i></p>	<p>BCD ASCII text (decimal digits) ASCII text (hexadecimal digits) Binary data (MSB first) Binary data (LSB first)</p>