

	MIFARE SAM	MIFARE SAM AV1	MIFARE SAM AV2
	P5DF072EV2/T0PD2050	P5DF072EV2/T0PD4090	P5DF081
Communication Interface	ISO/IEC 7816, Class A, B, C. T = 1, up to 1.5 Mbps.	ISO/IEC 7816, Class A, B, C. T = 1, up to 1.5 Mbps. I ² C interface to MFRC52X, PN51X.	ISO/IEC 7816, Class A, B. T = 1, up to 1.5 Mbps. I ² C interface to MFRC52X, PN51X, CLRC66x
Cryptographic Algorithms	TDEA 112-bit key MIFARE Crypto1	TDEA 112-bit and 168-bit key MIFARE Crypto1 AES-128 and AES-192	TDEA 112-bit and 168-bit key MIFARE Crypto1 AES-128 and AES-192 RSA-up to 2048-bit key
Public Key Infrastructure (PKI)	-	-	Yes
Hash function	-	-	Yes, SHA -1, SHA -224 and SHA -256.
Supported Cryptography	MIFARE Classic MIFARE Ultralight C MIFARE DESFire	MIFARE Classic MIFARE Ultralight C MIFARE DESFire MIFARE DESFire EV1	MIFARE Classic MIFARE Ultralight C MIFARE Plus MIFARE DESFire MIFARE DESFire EV1
Secure host communication	-	-	Yes
X- functionalities	-	Yes	Yes
Unique serial number [Bytes]	7	7	7
True random number generator	Yes	Yes	Yes
No of symmetric key entry	128 (3 keys per key entry)	128 (3 keys per key entry)	128 (3 keys per key entry)
No of RSA key entry			2.5 pair
Access conditions	per entry	per entry	per entry
Key Usages Counter	16	16	16
Key Diversification	Encryption based	Encryption based	Encryption based CMAC based
RSA			Signature, Encryption for updating symmetric key entry
DES/ 3DES security	MACing/Encipherment	MACing/Encipherment	MACing/Encipherment
AES 128 security	MACing/Encipherment	MACing/Encipherment	MACing/Encipherment
Packages			
PCM1.1 contact module	No	Yes	Yes
HVQFN	HVQFN48	HVQFN32	HVQFN32

