

# MIFARE DESFire family

	MIFARE DESFire®	
	MIFARE DESFire EV1	MIFARE DESFire EV2*
RF Interface	ISO/IEC 14443-2	
Protocol	ISO/IEC 14443-4	
UID – unique identifier	7-byte UID	
Communication speed	106-848 kbps	
Memory size	2KB 4KB 8KB	
memory model	Flexible file system	
crypto	TDES, AES	
key length	Up to 168-bit, 128-bit	
Authentication	3-pass mutual	
Communication, security	Plain, Encrypted and/or CMACed	
MIsmartApp	No	Yes
Transaction MAC	No	Yes
Multi key sets	No	Yes
Proximity check	No	Yes
Virtual card select	No	Yes
CC Certification	EAL4+	EAL5+
ISO 7816-4 APDU	Yes	

\* Available soon

