

# MIFARE Plus Family Features



Product Features	MIFARE Plus						
	S	SE	X		EV1		
RF Interface	ISO/IEC 14443-2, Type A						
Protocol	ISO/IEC 14443-3&4						
UID – unique identifier	7-byte UID, 4-byte NUID, Random ID						
Communication speed	106-848 Kbps						
Memory size [Bytes]	2K	4K	1K	2K	4K	2K	4K
Memory Model	Compact, Sectors & 16-byte block						
Crypto	Crypto-1, AES						
Key Length	48-bit Crypto-1, 128-bit AES						
Authentication key / password	3-pass mutual						
Communication-Security	Plain, CMACed, Encrypted w. CMAC						
MlsmartApp	-						
Transaction MAC	-					✓	
Multi Key Sets	-						
Proximity Check	-			✓			
Virtual Card Select	✓						
Originality check features	AES originality keys					AES originality keys, ECC signature	
CC Certification	EAL4+	-	EAL4+		EAL5+		
ISO 7816-4 APDU	-						
NFC compliance	NFC capable in SL 3					NFC capabilities in SL1 and SL 3	
Target applications	Public transport / Campus cards / Access management						
Input capacitance	17pF					17pF or 70pF	
Multi applications	supported via MAD						
<b>Delivery Types – 7 Byte UID</b>							
Wafer 120µm / 17 pF	MF1SPLUS6001 DUD <sup>1)</sup>	MF1SPLUS8001 DUD <sup>1)</sup>	MF1SEP1001 DUD <sup>1)</sup>	MF1PLUS6001 DUD <sup>1)</sup>	MF1PLUS8001 DUD <sup>1)</sup>	MF1P2101 DUD <sup>1)</sup>	MF1P4101 DUD <sup>1)</sup>
Wafer 120 µm / High Cap	-	-	-	-	-	MF1PH2101 DUD <sup>1)</sup>	MF1PH4101 DUD <sup>1)</sup>
Wafer 75 µm / 17pF	-	-	-	-	-	MF1P2101 DUF <sup>1)</sup>	MF1P4101 DUF <sup>1)</sup>
Wafer 75 µm / High Cap	-	-	-	-	-	MF1PH2101 DUF <sup>1)</sup>	MF1PH4101 DUF <sup>1)</sup>
MOA4 / 17pF	MF1SPLUS6001 DA4 <sup>1)</sup>	MF1SPLUS8001 DA4 <sup>1)</sup>	MF1SEP1001 DA4 <sup>1)</sup>	MF1PLUS6001 DA4 <sup>1)</sup>	MF1PLUS8001 DA4 <sup>1)</sup>	MF1P2100 DA4 <sup>1)</sup>	MF1P4100 DA4 <sup>1)</sup>
MOA4 / High Cap	-	-	-	-	-	MF1PH2100 DA4 <sup>1)</sup>	MF1PH4100 DA4 <sup>1)</sup>
MOA8 / 17 pF	MF1SPLUS6001 DA8 <sup>1)</sup>	MF1SPLUS8001 DA8 <sup>1)</sup>	MF1SEP1001 DA8 <sup>1)</sup>	MF1PLUS6001 DA8 <sup>1)</sup>	MF1PLUS8001 DA8 <sup>1)</sup>	-	-
MOA8 / High Cap	-	-	-	-	-	-	-
MOB6 / 17pF	-	-	-	-	-	MF1P2100 DA6 <sup>1)</sup>	MF1P4100 DA6 <sup>1)</sup>
MOB6 / High Cap	-	-	-	-	-	MF1PH2100 DA6 <sup>1)</sup>	MF1PH4100 DA6 <sup>1)</sup>

1) Available also in legacy 4 Byte NUID

