

# MIFARE

Manufacturer	Product	ATQA	SAK	ATS (called ATR for contact smartcards)	UID length
NXP	MIFARE Mini	00 04	09		4 bytes
NXP	MIFARE Classic 1k	00 04	08		4 bytes
NXP	MIFARE Classic 4k	00 02	18		4 bytes
NXP	MIFARE Ultralight	00 44	00		7 bytes
NXP	MIFARE DESFire	03 44	20	75 77 81 02 80	7 bytes
NXP	MIFARE DESFire EV1	03 44	20	75 77 81 02 80	7 bytes
IBM	JCOP31	03 04	28	38 77 b1 4a 43 4f 50 33 31	4 bytes
IBM	JCOP31 v2.4.1	00 48	20	78 77 b1 02 4a 43 4f 50 76 32 34 31	7 bytes
IBM	JCOP41 v2.2	00 48	20	38 33 b1 4a 43 4f 50 34 31 56 32 32	7 bytes
IBM	JCOP41 v2.3.1	00 04	28	38 33 b1 4a 43 4f 50 34 31 56 32 33 31	4 bytes
Infineon	MIFARE Classic 1k	00 04	88		4 bytes
Gemplus	MPCOS	00 02	98		
Innovision R&T	Jewel	0C 00			
Nokia	MIFARE Classic 4k - emulated (6212 Classic)	00 02	38		4 bytes
Nokia	MIFARE Classic 4k - emulated (6131 NFC)	00 08	38		4 bytes