

UHF RFID IC Comparison Chart

Identification		Frequency Range		Memory				Sensitivity		Operating Temperature C°		
Manufacturer	IC	Frequency Low (MHz)	Frequency High (MHz)	EPC bits	User bits	TID bits	Configurations	Read Sensitivity (dBm)	Write Sensitivity (dBm)	Range Low C°	Range High C°	Compliance
Alien	Higgs-3	860	960	96	512	64	"EPC: 96 -480 bits User: 128 -512 bits"	-18	-13.5	-50	85	Gen2
Alien	Higgs-4	840	960	128	128	64	Not Configurable	-19	-16	-50	85	Gen2
Alien	Higgs-EC	840	960	128	128	48	N/A	-20	-17	-50	85	Gen2
Alien	Higgs-9	840	960	96	688	48	"EPC: 96 -496 bits User: 192-688 bits"	-20	-18	-50	85	Gen2
Impinj	Monza 4D	860	960	128	32	96	N/A	-19.5	-16.7	-40	85	Gen2v2
Impinj	Monza 4E	860	960	496	128	96	N/A	-19.5	-16.7	-40	85	Gen2v2
Impinj	Monza 4QT	860	960	128	512	96	N/A	-19.5	-16.7	-40	85	Gen2v2
Impinj	Monza 4i	860	960	256	480	96	N/A	-19.5	-16.7	-40	85	Gen2v2
Impinj	Monza 5*ww	860	960	96 - 128	32	96	N/A	-20	-16	-40	85	Gen2v2
Impinj	Monza R6	860	960	96	None	96	N/A	-22.1	-18.8	-40	85	Gen2v2
Impinj	Monza R6-P	860	960	128	32	96	"EPC: 128 - 96 bits User: 32 - 64 bits"	-22.1	-17.3	-40	85	Gen2v2
Impinj	Monza R6-A	860	960	96	None	96	N/A	-22.1	-17.3	-40	85	Gen2v2
Impinj	Monza R6-B	860	960	96	None	96	N/A	-22.1	-17.3	-40	85	Gen2v2
Impinj	Monza MX-8K	860	960	128	8,192	96	N/A	-19.1	-14.1	-40	85	Gen2v2
Impinj	Monza M750	860	960	96	32	96	N/A	-24	-21	-40	85	Gen2v2
Impinj	Monza M730	860	960	128	None	96	N/A	-24	-21	-40	85	Gen2v2
NXP	UCODE 7	860	960	128	None	96	"EPC: 96 - 128 bits User: 0 - 32 bits"	-21	-16	-40	85	Gen2v2
NXP	UCODE 8	860	960	128	None	96	UCODE 8m, slightly different	-23	-18	-40	85	Gen2v2
NXP	UCODE G2iM	840	960	256	512	96	N/A	-17.5	N/A	-40	85	Gen2
NXP	UCODE DNA	860	960	224	3072	96	N/A	-19	-11	-40	85	Gen2v2
NXP	UCODE DNA City	860	960	224	1024	96	N/A	-19	-11	-40	85	Gen2v2
NXP	UCODE DNA Track	860	960	448	256	96	N/A	-19	-11	-40	85	Gen2v2
NXP	UCODE 7xm	860	960	448	1024 or 2048 options	96	N/A	-19	-12	-40	85	Gen2
NXP	UCODE 7xm+	860	960	448	2048	96	N/A	-19	-12	-40	85	Gen2
NXP	UCODE I2C	840	960	160	3328	96	N/A	-18	-11	-40	85	Gen2
NXP	UCODE G2iL	840	960	128	None	64	N/A	-18	N/A	-40	85	Gen2

* - Product is End of Life as of 4/1/2021*