

EMEA RFID Supplies Catalogue

October 2025

Industrial/Print Engine

ZT231R

ZT410R/411R

ZT410R Silverline

ZT411R On-Metal

ZT420R/421R

ZT610R

ZT620R

RXi4

ZE500R

Core Size:

76mm / 3"

Outside Diameter:

200mm / 8"

Desktop

ZD500R

ZD621R

ZD611R

Core Size:

76mm / 3"

Outside Diameter:

127mm / 5"

Mobile

ZQ511R

ZQ521R

ZQ520R

ZQ630R

Core Size:

19mm / 0.75"

Outside Diameter:

51mm / 2"

57mm / 2.24"

57mm / 2.24"

66mm



Industrial Printers

General Purpose RFID Labels - 3" Core, 8" OD

Suitable for most non-metallic surfaces, such as plastics and corrugated boxes.

Zebra's RFID labels have been tested and optimised to work with Zebra's RFID printers and readers. We always recommend testing in application.

Inlay / IC	EPC Memory	User Memory	Material	Part Number	Size W x H (mm)	Labels/Roll	Rolls/Box	Approx. Weight/Box (KG)	Recommended Ribbon Part Number	Typical Applications
BT713 / UCODE 8 	128 bit	-	TT Matte White Polypropylene	ZIPRT3016014	25 x 15	4000	1	0.63	04800BK04045	Retail: Jewellery, Cosmetics Healthcare/Pharma: Specimen/Lab samples
BT781 / UCODE 9/8 	96 bit	-	TT Matte White Polypropylene	ZIPRT3016343	44 x 19	5000	1	0.69	05095BK06045	Retail: Apparel Healthcare: Specimen/Lab samples
	128 bit	-	TT Gloss White Polyester	ZIPRT3016946	44 x 19	5000	1	0.69	05095BK06045	Manufacturing: Automotive parts tracking
Avery Dennison Sonic M830 	128 bit	-	Z-Select 2000T TT Coated Paper	10043601	46 x 22	3200	2	1.22	02300BK06045	Retail: General, Apparel Manufacturing: Parts tracking
Avery Dennison Stealth M830 	128 bit	-	Z-Select 2000T TT Coated Paper	10043603	53 x 17	3500	3	1.83	02300BK06045	Retail: General, Beauty/Personal care Manufacturing: Parts tracking
BT793 / UCODE 9 	96 bit	-	Z-Select 2000D DT Coated Paper	ZIPRT3016389	54 x 34	3000	1	1.07	N/A	Retail: Apparel, hang tags Document tracking
Avery Dennison Burst M830 	128 bit	-	Z-Select 2000T TT Coated Paper	10043602	73 x 17	5000	2	1.96	02300BK08345	Retail: General, Apparel Manufacturing: Parts tracking, Inventory T&L: Box labelling
BT573 / UCODE 9 	96 bit	-	PolyPro 3000T TT Gloss Polypropylene	ZIPRT3017401	76 x 25	4500	1	1.33	05095BK08345	Manufacturing: Parts tracking Asset tracking Document tracking
ZBR2200 / M830 NEW 	128 bit	-	Z-Select 2000T TT Coated Paper	ZIPRT3019418~	76 x 25	4000	2		02300BK083045	Retail: E-commerce, inventory management T&L: Box labelling, Shipping labels, pallet labels Manufacturing: Part tracking Document tracking
				ZIPRT3019419~	102 x 51	2500	2		02300BK11045	
				ZIPRT3019420~	102 x 152	1000	2			
ZBR2100 / UCODE 9 	96 bit	-	Z-Select 2000T TT Coated Paper	ZIPRT3017402	102 x 25	4000	1	1.81	02300BK11045	
				ZIPRT3017403	102 x 51	2000	1	1.70		
				ZIPRT3017404	102 x 76	1500	1	1.88		
				ZIPRT3017405	102 x 152	1000	1	2.45		
ZBR2000 / UCODE 8 	128 bit	-	Z-Select 2000T TT Coated Paper	ZIPRT3014647	102 x 51	2000	1	1.70	02300BK11045	
				ZIPRT3014648	102 x 152	1000	1	2.45		

~ Perforation between labels

Industrial Printers

Advanced RFID Labels - 3" Core, 8" OD

Suitable for use in similar applications to the general purpose labels, but provide a higher level of read-performance particularly on challenging materials such as glass or some plastics.

Zebra's RFID labels have been tested and optimised to work with Zebra's RFID printers and readers. We always recommend testing in application.

Inlay / IC	EPC Memory	User Memory	Material	Part Number	Size W x H (mm)	Labels/Roll	Rolls/Box	Approx. Weight/Box (KG)	Recommended Ribbon Part Number	Typical Applications
Dogbone / M830  NEW	128 bit	-	Gloss White PET	ZIPRT10043842	98 x 38	2000	4	1.85	05095BK11045	Labelling of washable returnable transport items
Dogbone / Ucode 9 	96 bit	-	Z-Select 2000T TT Coated Paper	10041944	98 x 30	3000	1	1.85	02300BK11045	Manufacturing: Automotive parts tracking T&L: Shipping labels, pallet labels Asset tracking
ZBR4000 / UCODE 8 	128 bit	-	Z-Select 2000T TT Coated Paper	ZIPRT3014477	102 x 51	2000	1	1.71		
				ZIPRT3014478	102 x 152	1000	1	1.96		

Desktop Printers

General Purpose RFID Labels - 3" Core, 5" OD

Suitable for most non-metallic surfaces, such as plastics and corrugated boxes.

Zebra's RFID labels have been tested and optimised to work with Zebra's RFID printers and readers. We always recommend testing in application.

Inlay / IC	EPC Memory	User Memory	Material	Part Number	Size W x H (mm)	Labels/Roll	Rolls/Box	Approx. Weight/Box (KG)	Recommended Ribbon Part Number	Typical Applications
BT713 / UCODE 8 	128 bit	-	TT Matte White Polypropylene	ZIPRD3016013	25 x 15	1000	2	0.45	05095BK06030	Retail: Jewellery, Cosmetics Healthcare/Pharma: Specimen/Lab samples
BT781 / UCODE 9 	96 bit	-	TT Matte White Polypropylene	ZIPRD3016344	44 x 19	1000	2	0.56	05095BK06030	Retail: Apparel Healthcare: Specimen/Lab samples Manufacturing: Automotive parts tracking
BT793 / UCODE 9 	96 bit	-	Z-Select 2000D DT Coated Paper	ZIPRD3016390	54 x 34	700	2	1.07	N/A	Retail: Apparel, hang tags Document tracking
BT573 / UCODE 9 	96 bit	-	Z-Ultimate 2500T TT Gloss Polyester	ZIPRD3017407	76 x 25	1000	2	0.74	05095BK08330	Manufacturing: Parts tracking Asset tracking Document tracking
ZBR2200 / M830 NEW 	128 bit	-	Z-Select 2000T TT Coated Paper	ZIPRD3019421~	76 x 25	1000	4		02300BK08330	Retail: E-commerce, inventory management T&L: Box labelling, Shipping labels, pallet labels Manufacturing: Part tracking Document tracking
ZIPRD3019422~				102 x 51	500	4		02300GT11030		
ZIPRD3019423~				102 x 152	250	4				
ZBR2100 / UCODE 9 	96 bit	-	Z-Select 2000T TT Coated Paper	ZIPRD3017409	102 x 51	500	2	0.84	02300GT11030	
				ZIPRD3017410	102 x 76	400	2	1.02		
				ZIPRD3017411	102 x 152	200	2	0.98		
ZBR2000 / UCODE 8 	128 bit	-	Z-Select 2000T TT Coated Paper	ZIPRD3014658	102 x 152	200	2	0.98	02300GT11030	

~ Perforation between labels

Desktop Printers

Advanced RFID Labels - 3" Core, 5" OD

Suitable for use in similar applications to the general purpose labels, but provide a higher level of read-performance particularly on challenging materials such as glass or some plastics.

Zebra's RFID labels have been tested and optimised to work with Zebra's RFID printers and readers. We always recommend testing in application.

Inlay / IC	EPC Memory	User Memory	Material	Part Number	Size W x H (mm)	Labels/Roll	Rolls/Box	Approx. Weight/Box (KG)	Recommended Ribbon Part Number	Typical Applications
DogBone / M830 	128 bit	-	Z-Select 2000T TT Coated Paper	10043410	97 x 27	700	2	0.82	02300GT11030	Manufacturing: Automotive parts tracking T&L: Shipping labels, pallet labels Asset tracking
ZBR4000 / UCODE 8 	128 bit	-	Z-Select 2000T TT Coated Paper	3014480-T	102 x 51	500	2	0.84		
				ZIPRD3014479	102 x 152	200	2	0.98		

RFID Wristbands for Desktop Printers

Zebra's UHF RFID wristbands offer a durable direct thermal printable RFID wristband solution.

Due to the many variables that can affect read range, we always recommend testing in application.

Inlay / IC	EPC Memory	User Memory	Material	Part Number	Size W x H (mm)	Labels/Roll	Rolls/Box	Approx. Weight/Box (KG)	Recommended Ribbon Part Number	Typical Applications
BT0600 / UCODE 8 	128 bit	-	Z-Band Direct (SR)	3014578	25 x 279	175	3	0.60	No ribbon required	Hospitality: Guest tracking Healthcare: Patient ID using handheld reader
ZBR2002 / UCODE 8 	128 bit	-	Z-Band Ultrasoft (LR)	ZIPRD3015155	25 x 362	175	3	0.90	No ribbon required	Healthcare: Patient ID using handheld or fixed readers
ZBR8102 / UCODE 9 	96 bit	-	Z-Band Direct (XR)	ZIPRD3018584	25 x 279	170	3	0.60	No ribbon required	Hospitality: Guest tracking Healthcare: Patient ID using handheld or fixed readers

Mobile Printers

General Purpose RFID Labels - 19mm Core

Suitable for most non-metallic surfaces, such as plastics and corrugated boxes.

Zebra's RFID labels have been tested and optimised to work with Zebra's RFID printers and readers. We always recommend testing in application.

Inlay / IC	EPC Memory	User Memory	Material	Part Number	Size W x H (mm)	Labels/Roll	Rolls/Box	Approx. Weight/Box (KG)	Recommended Ribbon Part Number	Typical Applications
BT781 / UCODE 8 	128 bit	-	PolyPro 4000D	ZIPRM3016596~	46 x 25	200	12	0.6	No ribbon required	Retail: Apparel Healthcare: Specimin tracking
BT793 / UCODE 9 	96 bit	-	Z-Select 2000D	ZIPRM3016391	54 x 34	90	12	0.84		Retail: Apparel, hang tags Document tracking
BT573 / UCODE 9 	96 bit	-	PolyPro 4000D	ZIPRM3017412	76 x 25	260	12	0.96		Manufacturing: Parts tracking Asset tracking Document tracking
ZBR2200 / M830 NEW 	128 bit	-	Z-Select 2000T TT Coated Paper	ZIPRM3019424~	76 x 25	260	12			Retail: E-commerce, inventory management T&L: Box labelling, Shipping labels, pallet labels Manufacturing: Part tracking Document tracking
				ZIPRM3019425~	102 x 51	180	12			
				ZIPRM3019426~	102 x 152	75	12			
ZBR2100 / UCODE 9 	96 bit	-	Z-Select 2000D	ZIPRM3017413	102 x 51	180	12	1.92		
				ZIPRM3017414	102 x 152	75	12	2.40		

~ Perforation between labels

Specialist On-Metal Labels

for tagging small metal items

Thermal transfer printable white Polyester RFID labels for use on small metal objects such as jewellery and pipes. These 'flag' stlye labels hold the antenna away from the metal object, allowing the tag to be read.

An excellent lower cost option for on-metal tagging where the durability of Silverline is not required

Inlay / IC	EPC Memory	User Memory	Material	Part Number	Size W x H (mm)	Labels/Roll	Rolls/Box	Approx. Weight/Box (KG)	Recommended Ribbon Part Number	Typical Applications
BT577 Flag / Monza MR6-P 	128 bit	32 bit	Z-Ultimate 2500T	ZIPRT3015655	68 x 23	5000	1	1.62	05095BK08345	Retail: Cosmetics with metal packaging Manufacturing: Parts tracking
EOS-200 Jewellery / UCODE 9 ** 	96 bit	-	TT Printable White Polyester	10038478 **	76 x 14	1500	2	0.82	05095GS08407	Retail: Jewellery labelling

** Only suitable for use in ZD500R or ZD621R Desktop Printers

Silverline II On-Metal Labels (Zebra Silverline RFID ZT410/ZT411 On-Metal Printers)

for tagging high value items & assets in demanding environments

The next generation of Silverline RFID on-metal labels build upon the printing and encoding performance many have relied on, with new materials and the latest chip technology, regionally tuned to offer up to **3X** longer read ranges on-metal and improved readability on non-metal surfaces. Their durability, versatile all-surface application properties and readable range of up to 15 metres makes them suitable for a wide range of demanding applications. Typical uses include the tagging of IT equipment, medical equipment, firearms, high value tools, industrial equipment and returnable shipping containers.

Inlay / IC	EPC Memory	User Memory	Material	Part Number	Size W x H (mm)	Labels/Roll	Rolls/Box	Approx. Weight/Box (KG)	Recommended Ribbon Part Number	Typical Applications
Titanium Metal Skin / Ucode 9	96 bit	-	TT Printable White Polyester	ZIPRT3019299	45 x 6	500	1		05095BK06045	Low profile labels IT asset tracking Medical supplies
Delta Metal Skin / M830 NEW	128 bit	-		ZIPRT3019300	70 x 30	500	1		05095BK08345	
Silverline Micro II ETSI / Monza R6-P	128 bit	32 bit		10026763	45 x 13	600	1	0.50	05095BK06045	Manufacturing: Part/tool tracking, Asset tracking T&L: Returnable cages, IBC's Healthcare: Asset tracking
Silverline Micro II FCC / Monza R6-P	128 bit	32 bit		10026764	45 x 13	600	1	0.50	05095BK06045	
Silverline Slim II ETSI / Monza R6-P	128 bit	32 bit		10026765	100 x 13	600	1	1.05	05095BK11045	
Silverline Slim II FCC / Monza R6-P	128 bit	32 bit		10026766	100 x 13	600	1	1.05	05095BK11045	
Silverline Blade II ETSI / M730	128 bit	-		10026767	60 x 25	400	1	0.63	05095BK08345	
Silverline Blade II FCC / M730	128 bit	-		10026768	60 x 25	400	1	0.63	05095BK08345	
Silverline Blade II+ Global / M780	496 bit	128 bit		10039973	60 x 25	400	1	0.63	05095BK08345	
Silverline Classic II ETSI / M730	128 bit	-		10026769	100 x 40	250	1	0.87	05095BK11045	
Silverline Classic II FCC / M730	128 bit	-		10026770	100 x 40	250	1	0.87	05095BK11045	

Silverline Specifications

For full electrical & mechanical specification, please refer to the latest data sheet.All products are wash and water resistant and have chemical resistance to sulphuric acid, motor oil, salt water and sodium hydroxide (caustic soda) - test details can be found on the datasheets

HARD TAGS

Durable, rugged solutions are an ideal choice where standard printable RFID labels may become damaged or removed, or where resistance to bumps, shocks, wash cycles, or other abuse over the course of an assets lifecycle are required.

Tag / IC	EPC Memory	User Memory	Part Number	Size W x H x D (mm)	Operating Temperature	Read Range	Tags/Box	Approx. Weight/Box (KG)	Additional Information
Ironside Classic / M780 	496 bit	128 bit	10041052	51.5 x 47.5 x 10	-55°C to +105°C	Up to 20m (On metal) Up to 8m (On plastic)	500	11	Durable tag for challenging industrial asset management applications · IP68 rated · Vibration resistance: JESD22-B103B, service condition 2; No physical or performance changes in: · 168 hour Motor oil exposure · 168 hour Salt water (salinity 10%) exposure · 168 hour Sulfuric acid (10%, pH 2) exposure · 24 hour NaOH (10%, pH 13) exposure
Ironside Slim / M780 	496 bit	128 bit	10041053	85 x 21 x 10	-35°C to +85°C	Up to 17m (On metal) Up to 6m (Off metal)	600	9.3	Versatile and durable tag for global asset tracking · IP68 rated No physical or performance changes in: · 168 hour Motor oil exposure · 24 hour Salt water (salinity 10%) exposure · 24 hour Sulfuric acid (10%, pH 2) exposure · 24 hour NaOH (10%, pH 13) exposure
Steelwave Classic / M780 	496 bit	128 bit	10041054 (customisable item supplied with printable labels)	115 x 30 x 3.9	-35°C to +85°C	Up to 20m (On metal) Up to 14m (Off metal)	1000	9.3	Thin all-surface-tag solution for returnable transit item tracking with extreme performance. · IP68 rated No physical or performance changes in: · 168h Sulfuric acid (10%, pH 2) exposure · 168h Motor oil exposure · 168h Salt water (salinity 10%) exposure · 1h NaOH (10%, pH 13) exposure
Pod Trak 85 / Ucode 9 NEW 	96 bit	-	ZIPRH3019301	85 x 22 x 0.9	-40°C to +55°C	Up to 10m	100		Flexible form factor for tracking of non-metal returnable transport items (RTI) including bins crates, totes and pallets. · Uses NXP Ucode 9 IC with 96 bit EPC · Globally tuned · IP68 rated · Supplied with pre-applied industrial adhesive · Additional optional mounting methods including rivets, screws, cable & zip ties.
Micro Power / M750 NEW 	96 bit	-	ZIPRH3019302	32 x 10.8 x 6	-40°C to +85°C	Up to 4m	100		Small form factor ideal for use in automotive paint processes and tracking of power/construction tools, audio/video equipment and RTIs. · Uses Impinj M750 IC with 96 bit EPC, 32 bit user memory · Regionally tuned to ETSI frequency · IP68 rated, durable high-performance polymer case for harsh environments can withstand up to +150°C (4 hours) · Mounting methods include rivets, screws, cable & zip ties or industrial adhesive.
Cargo Outdoor / M750 NEW 	96 bit	-	ZIPRH3019303	100 x 26 x 9	-40°C to +85°C	Up to 12m (On metal) Up to 6m (Off metal)	100		Rugged multi-surface asset tag with up to 12m read range. Ideal for RTI inventory, transport & logistics and yard management applications. · Uses Impinj M750 IC with 96 bit EPC, 32 bit user memory · Regionally tuned to ETSI frequency · IP68 rated · Various mounting method including rivets, screws, cable & zip ties or industrial adhesives.
RFID Laundry Tag 	96-bit	-	76T7015WTAG-96	70 x 17 x 5	Washing: 100°C 200 minutes Drying: 180°C 15 minutes Ironing: 210°C 60 seconds	Up to 6m	1000	0.7	Flexible and durable UHF RFID laundry tag specially developed for the industrial laundry and uniform market · Up to 200 wash cycles · Acid/alkali resistance during wash/dry cleaning process · Can be stitched, ironed into place (requires additional iron-on tape), or inserted into seams

Sample RFID Media

Inlay / IC	EPC Memory	User Memory	Material	Part Number	Size W x H (mm)	Labels/Roll	Core Size	Recommended Ribbon Part Number - Industrial	Recommended Ribbon Part Number - Desktop
BT713 / UCODE 8	128 bit	-	Matte White PP	SAMPLE16014R	25 x 15	100	76mm	04800BK04045	05095GS06407
BT781 / UCODE 8	128 bit	-	Gloss White PET	SAMPLE16946R	44 x 19	100	76mm	05095BK06045	05095GS06407
Avery Dennison Sonic M830	128 bit	-	Z-Select 2000T	SAMPLE43601R	46 x 22	200	76mm	02300BK06045	02300GS06407
Avery Dennison Stealth M830	128 bit	-	Z-Select 2000T	SAMPLE43603R	53 x 17	200	76mm	02300BK06045	02300GS06407
BT793 / UCODE 9	96 bit	-	Z-Select 2000D	SAMPLE16389R	54 x 35	100	76mm	N/A	N/A
Avery Dennison Burst M830	128 bit	-	Z-Select 2000T	SAMPLE43602R	73 x 13	200	76mm	05095BK08345	02300GS08407
BT577 Flag / MR6-P	128 bit	32 bit	Z-Ultimate 2500T	SAMPLE15655R	68 x 23	250	76mm	05095BK08345	05095GS08407
EOS-200 Jewellery / UCODE 9 **	96 bit	-	Gloss White PET	SAMPLE38478R	76 X 14	100	76mm	N/A	05095GS08407
BT573 / UCODE 9	96 bit	-	PolyPro 3000T	SAMPLE17401R	76 x 25	100	76mm	05095BK08945	05095GS08407
BT0A83A / M780	496	128	Z-Select 2000T	SAMPLE17650R	76 x 25	100	76mm	02300BK11045	02300GS11007
ZBR2200 / M830	128 bit	-	Z-Select 2000T	SAMPLE19419R	102 x 51	100	76mm	05095BK08345	02300GS08407
ZBR2000 / UCODE 8	128	-	Z-Select 2000T	SAMPLE14648R	102 x 152	100	76mm	02300BK11045	02300GS11007
ZBR2100 / UCODE 9	96	-	Z-Select 2000T	SAMPLE17405R	102 x 152	100	76mm	02300BK11045	02300GS11007
BT898C / M781	512	128	Z-Select 2000T	SAMPLE17649R	102 x 51	100	76mm	02300BK11045	02300GS11007
ZBR4000 / UCODE 8	128	-	Z-Select 2000T	SAMPLE14477	102 x 51	100	76mm	02300BK11045	02300GS11007

** Only suitable for use in ZD500R or ZD621R Desktop Printers

Sample Silverline II Media (Zebra Silverline RFID ZT410/ZT411 On-Metal Printers only)

Inlay / IC			Material	Part Number	Size W x H (mm)	Labels/Roll	Rolls/Box	Recommended Ribbon Part Number
Titanium Metal Skin / Ucode 9	96 bit	-	TT Printable White Polyester	SAMPLE19299R	45 x 6	100	1	05095BK06045
Delta Metal Skin / M830 NEW	128 bit	-		SAMPLE19299R	70 x 30	100	1	05095BK08345
Silverline Micro II ETSI / Monza R6-P				SAMPLE26763R	45 x 13	100	1	05095BK06045
Silverline Slim II ETSI / Monza R6-P				SAMPLE26765R	100 x 13	100	1	05095BK11045
Silverline Blade II ETSI / M730				SAMPLE26767R	60 x 25	100	1	05095BK08345
Silverline Blade II+ / M780				SAMPLE39973R	60 x 25	100	1	05095BK08345
Silverline Classic II ETSI / M730				SAMPLE26769R	100 x 40	100	1	05095BK11045

Inlay/IC Performance

Inlay	Inlay design	IC	Inlay Size (mm)	Memory (bits)		Theoretical Read Ranges (m) ETSI 865-868 MHz									
				EPC	User	Cardboard	Fibreglass	Glass	PTFE	Polyacetyl	PVC	PP	Rubber	Metal	Liquid
Tageos EOS-200		UCODE 9	22 x 12.5	96	-	3	4	2	3	4	5	3	2	N/A	N/A
BT713		UCODE 8	22 x 12.5	128	-	4	1	1	7	2	1	not tested	1	N/A	N/A
BT0B70A		M730	22.5 x 22.5	128	-	11	3	-	12	5	5	14	-	N/A	1
BT577		MR6-P	31.5 x 18	96/128	32/64	1	7	3	2	5	5	3	4	9	N/A
BT600		UCODE 8	40 x 15	128	-	10	6	5	10	5	6	not tested	5	N/A	N/A
AD Sonic		M830	44 x 20	128	-	13	9	7	9	9	9	not tested	8	N/A	N/A
AD Stealth		M830	50 x 14.5	128	-	16	9	7	12	9	9	not tested	7	N/A	N/A
BT781		UCODE 8/9	42 x 17	128/96	-	10	7	5	9	6	7	not tested	5	N/A	N/A
BT793		UCODE 9	50 X 30	96	-	17	8	8	22	11	13	22	7	N/A	1
AD Burst		M830	70 x 10.5	128	-	18	16	15	15	14	14	not tested	14	N/A	N/A
BT573		UCODE 8/9	72 x 12	128/96	-	14	16	11	18	12	12	not tested	12	N/A	N/A
ZBR2200		M830	70 x 10.5	128	-	18	16	15	15	14	14	not tested	14	N/A	N/A
BT0A83A		M780	70 x 17	496	128	17	14	13	19	13	13	19	12	N/A	1
Smartrac Dogbone		UCODE 9/M830	94 x 24	96/128	-	14	11	13	14	12	12	not tested	11	N/A	N/A
Zebra ZBR2000		UCODE 8	95 x 8	128	-	15	10	9	15	11	11	not tested	10	N/A	N/A
Zebra ZBR2100		UCODE 9	95 x 8	96	-	17	10	9	18	11	12	19	8	N/A	2
BT898C		M781	95 x 8	128	512	17	16	13	20	18	20	20	13	N/A	N/A
Zebra ZBR4000		UCODE 8	91 x 35	128	-	14	18	16	16	17	18	15	15	N/A	1
Silverline Micro II		Monza R6-P	45 x 13	96/128	32/64	1.5	1.5	1.5	2	2	2	not tested	1	3	2
Silverline Slim II		Monza R6-P	100 x 13	96/128	32/64	3.5	3.5	4.5	3	3.5	3	3	4	7	4
Silverline Blade II		M730	60 x 25	128	-	4.5	3	2	4.5	3.5	4	4.5	2.5	10	4
Silverline Classic II		M730	100 x 40	128	-	9	11	12		10	10	10	10	15	10

Theoretical Read Ranges (m) on different materials using Voyantic Tagformance

Theoretical read range data is meant to be directional. Actual performance will depend on your application and environment. Testing is recommended. For additional information please see individual inlay data sheets.

IC Comparison

Manufacturer	Name	EPC Memory (bits)	User Memory (bits)	# EPC characters		# User characters		TID Prefix	Read Sensitivity	Write Sensitivity	Notes
				Hex	ASCII	Hex	ASCII				
Alien	Higgs 3	96/480	512/128	24/120	12/60	128/32	64/16	E200 3412	-18 dBm	-14 dBm	EPC can extend up to 480 bits by taking from User memory in 64 bit blocks (see Zebra Programming Guide)
Alien	Higgs 4	128	128	32	16	32	16	E200 3414	-19 dBm	-16 dBm	
Alien	Higgs EC	128	128	32	16	32	16	E200 3811	-20 dBm	-17 dBm	
Alien	Higgs 9	96	688	24	12	172	86		-18 dBm	-16 dBm	EPC can be extended up to 496 bits taking from User memory (see Zebra Programming Guide)
Impinj	Monza 4D	128	32	32	16	8	4	E280 1100	-20 dBm	-17 dBm	
Impinj	Monza 4E	496	128	124	62	32	16	E280 110C	-20 dBm	-17 dBm	
Impinj	Monza 4i	256	480	64	32	120	60	E280 1114	-20 dBm	-17 dBm	
Impinj	Monza 4QT	128	512	32	16	128	64	E280 1105	-20 dBm	-17 dBm	
Impinj	Monza 5	128	32	32	16	8	4	E280 1102	-20 dBm	-16 dBm	
Impinj	R6	96	-	24	12	-	-	E280 1160	-22 dBm	-17 dBm	
Impinj	R6-P	128/96	32/64	32/24	16/12	8/16	4/8	E280 1170	-22 dBm	-17 dBm	User memory can be extended to 64 bits taking 32 bits from EPC memory (see Zebra Programming Guide)
Impinj	R6-B	96	-	24	12	-	-	E280 1171	-22 dBm	-17 dBm	
Impinj	M730	128	-	32	16	-	-	E280 1191	-24 dBm	-21 dBm	
Impinj	M750	96	32	24	12	8	4	E280 1190	-24 dBm	-21 dBm	
Impinj	M780	496	128	124	62	32	16	E280 11C0	-23.5 dBm	-20.5 dBm	
Impinj	M781	128	512	32	16	128	64	E280 11C1	-23.5 dBm	-20.5 dBm	
Impinj	M830	128	-	32	16	-	-	E280 11B0	-25.5 dBm	-20 dBm	
NXP	UCODE G2iL	128	-	32	16	-	-	E200 6806	-18 dBm		
NXP	UCODE G2iM	256	512	64	32	128	64	E200 680A	-18 dBm		
NXP	UCODE 7	128	-	32	16	-	-	E280 6810	-21 dBm	-16 dBm	
NXP	UCODE 7XM - 1K	448	1024	112	56	256	128	E280 6D12	-19 dBm	-12 dBm	
NXP	UCODE 7XM - 2K	448	2048	112	56	512	256	E280 6F12	-19 dBm	-12 dBm	
NXP	UCODE DNA	224	3072	56	28	768	384	E2CO 6892	-19 dBm	-11 dBm	
NXP	UCODE 8	128	-	32	16	-	-	E280 6894	-23 dBm	-18 dBm	
NXP	UCODE 9	96	-	24	12	-	-	E280 6995	-24 dBm	-22 dBm	
NXP	UCODE 9xe	128	-	32	16	-	-	E280 6A16	-24 dBm	-22 dBm	

Additional notes on Read and Write Sensitivity: 6 dBm difference in sensitivity doubles read range, 1 dBm difference increases read range by 12% than -21 dBm, all else held equal)
Higher absolute numbers for read and write sensitivity will give longer ranges. (-23dBm will have longer read range