

RFID SOLUTIONS



Compact, efficient, durable and custom RFID tag solutions to fit your application requirements





Multi-purpose RFID Tags

Discover the power of RFID technology with our tailored LF, HF, and UHF tags. Choose from adhesive labels, durable ABS tags, and more for any application. Customize chip, material, and size to meet your needs. Embrace innovation with our personalized RFID tags today.

NFC/HF Metal Mount RFID Tag (ABS)

Chip Options	MIFARE series, NTAG 213, ICODE SLIX, etc.
Material	ABS
Dimension	Dia 25 mm / 30 mm / 35 mm / 40 mm / 45 mm / 52 mm, etc.
Pre-printing	Not available
Personalization	UID, S/N, etc.
Applications	Tracking, Asset management, etc.

NFC/HF Metal Mount RFID Tag(Epoxy)

Chip Options	MIFARE series, NTAG 213, ICODE SLIX, etc.
Material	PVC+Epoxy
Dimension	Dia 25 mm or customized size
Pre-printing	CMYK offset printing
Personalization	UID, S/N, barcode, QR code, encoding, etc.
Structure	Epoxy+PVC sticker+Anti-metal material+Glue
Applications	Identity recognition, Access control management, Asset management, etc.

NFC/HF RFID Inlay

Chip Options	MIFARE series, NTAG 213, ICODE SLIX, etc.
Material	PET
Dimension	50 * 50 mm or customized size
Pre-printing	Not available
Personalization	Not available
Applications	Library management, Public transportation, Access management, Loyalty, Smart advertisement, Event ticketing, etc.

NFC/HF Metal Mount RFID Tag (Flexible)

Chip Options	MIFARE series, NTAG 213, ICODE SLIX, etc.
Material	PVC, PET, coated paper, etc.
Dimension	Dia 25 mm or customized size
Pre-printing	CMYK offset printing
Personalization	UID, S/N, barcode, QR code, encoding, etc.
Structure	PVC sticker+Anti-metal material+Glue
Applications	Cashless payment, Ticket management, Member management, Asset management, etc.

NFC/HF Coin Tag

Chip Options	MIFARE series, NTAG 213, ICODE SLIX, etc.
Material	ABS
Dimension	Dia 35 mm or customized size
Pre-printing	Not available
Personalization	UID, S/N etc.
Applications	Tracking, Gambling chip, Asset management, etc.

NFC/HF RFID Sticker

Chip Options	MIFARE series, NTAG 213, ICODE SLIX, etc.
Material	PVC, PET, coated paper, etc.
Dimension	25 * 25 mm or customized size
Pre-printing	CMYK offset printing
Personalization	UID, S/N, barcode, QR code, encoding, etc.
Applications	Cashless payment, Library management, Public transportation, Access management, Loyalty, Smart advertisement, Event ticketing, etc.

NFC/HF Metal Mount RFID Tag (PVC)

Chip Options	MIFARE series, NTAG 213, ICODE SLIX, etc.
Material	PVC
Dimension	Dia 30 mm or customized size
Pre-printing	CMYK offset printing
Personalization	UID, S/N, barcode, QR code, encoding, etc.
Structure	PVC hard tag+Anti-metal material+Glue
Applications	Cashless payment, Event ticketing, Access management, Asset management, etc.

NFC/HF Coin Tag

RFID Protocol	EPC Class1 Gen2, ISO18000-6C
Frequency	(US) 902-928MHz, (EU) 865-868MHz
IC type	NXP UCODE 8
Memory	EPC 128 bits, USER 0 bits, TID 96 bits
Write Cycles	Minimum 100,000 times
Functionality	Read/write
Data Retention	Up to 50 Years
Applicable Surface	Metal Surfaces
Size	105.0x30.0mm, Hole: D5.2mmx2
Thickness	7.5mm
Material	ABS+PC
Colour	White (Or Others)
Mounting Methods	Magnet
Gauss magnetic force	3300 Gauss
Grade	N48
Weight	30.0g
IP Rating	IP68
Storage Temperature	-40°C to +70°C
Operation Temperature	-25°C to +70°C
Certifications	Reach Approved, RoHS Approved, CE Approved

NFC/HF Metal Mount RFID Tag (Silicone)

Chip Options	MIFARE series, NTAG 213, ICODE SLIX, etc.
Material	Silicone
Dimension	55 * 40 * 2.5 mm or customized size
Pre-printing	Silk-screen printing, embossing
Personalization	UID, S/N etc.
Applications	Laundry management, Clothing management, Advertisement, etc.

NFC/HF Silicone Tag

Chip Options	MIFARE series, NTAG 213, ICODE SLIX, etc.
Material	Silicone
Dimension	55 * 40 * 2.5 mm or customized size
Pre-printing	Silk-screen printing, embossing
Personalization	UID, S/N etc.
Applications	Laundry management, Clothing management, Advertisement, etc.

NFC/HF PPS Tag

Chip Options	MIFARE series, NTAG 213, ICODE SLIX, etc.
Material	PPS
Dimension	Dia 20 mm / 23 mm. No custom size
Pre-printing	Not available
Personalization	
Applications	Laundry management, Any embedded usage, etc.

NFC/HF FPC Tag

Chip Options	MIFARE series, NTAG 213, etc.
Material	FPC
Dimension	Dia 8 mm / 15 mm or customized size
Pre-printing	Not available
Personalization	Not available
Applications	Any embedded usage

NFC/HF Metal Cable Tie Tag

Chip Options	MIFARE series, NTAG 213, ICODE SLIX, etc.
Material	ABS
Dimension	25 * 36 * 331 mm or customized size
Pre-printing	Not available
Personalization	UID, S/N etc.
Applications	Patrol management, Asset management, etc.

NFC/HF Tamper Proof Tag

Chip Options	MIFARE series, NTAG 213, ICODE SLIX, etc.
Material	PVC, PET, coated paper etc.
Dimension	Dia 25 mm or customized size
Pre-printing	CMYK offset printing
Personalization	UID, S/N, barcode, QR code, encoding, etc.
Applications	Product anti-counterfeiting, Product management, etc.

NFC/HF PCB Tag

Chip Options	MIFARE series, NTAG 213, ICODE SLIX, etc.
Material	PCB Dia 18 mm / 20 mm or customized
Dimension	size Not available
Pre-printing	PersonalizationNot
Applications	Any embedded usage

HF Nail Tag

Chip Options	MIFARE series, NTAG 213, ICODE SLIX, etc.
Material	ABS 6 *
Dimension	36mm Not
Pre-printing	available
Personalization	UID, S/N, etc.
Applications	Tree management, Park management, Security inspection, etc.





UHF Inlay

Chip Options	R6, M730, M750, U8, U9, etc.
Material	PET 45 * 10 mm or customized size
Dimension	Not available
Pre-printing	Personalization Not available
Applications	Apparel management, Retail management, Asset management, Library management, Logistics management, etc.



UHF RFID Tag

Chip Options	R6, M730, M750, U8, U9, etc.
Material	PVC, PET, coated paper, etc.
Dimension	70 * 16 mm or customized size
Pre-printing	CMYK offset printing
Personalization	UID, S/N, barcode, QR code, encoding, etc.
Applications	Apparel management, Retail management, Asset management, Library management, Logistics management, etc.



UHF Metal Mount RFID Tag (ABS)

Chip Options	R6, M730, M750, U8, U9, etc.
Material	ABS 70 * 23.5 * 8.5 mm (More models)
Dimension	
Pre-printing	Not available
Personalization	UID, S/N, barcode, QR code, encoding, etc.
Applications	Asset management, Warehouse management, Logistics management, etc.



UHF Metal Mount RFID Tag (PCB)

Chip Options	R6, M730, M750, U8, U9, etc.
Material	PCB
Dimension	40 * 10 * 2 mm (More models)
Pre-printing	Not available
Personalization	UID, S/N, etc.
Applications	Asset management, Warehouse management, Logistics management, etc.



UHF Tamper Proof Tag

Chip Options	R6, M730, M750, U8, U9, etc.
Material	PVC, PET, coated paper, etc.
Dimension	105 * 28 mm or customized size
Pre-printing	CMYK offset printing
Personalization	UID, S/N, barcode, QR code, encoding, etc.
Applications	Vehicle management, Asset management, etc.



UHF RFID Card Tag

Chip Options	R6, M730, M750, U8, U9, etc. PVC
Material	88 * 30 * 1 mm or customized size
Dimension	CMYK offset printing
Pre-printing	
Personalization	UID, S/N, barcode, QR code, encoding, etc.
Applications	Asset management, Logistics management, etc.



UHF FPC RFID Tag

Chip Options	R6, M730, M750, U8, U9, etc.
Material	FPC 46 * 8.5 mm (More models)
Dimension	
Pre-printing	Not available
Personalization	Not available
Applications	Any embedded usage



UHF Ceramics RFID Tag

Chip Options	R6, M730, M750, U8, U9, etc.
Material	Ceramics 15 * 19 * 3 mm
Dimension	(More models)
Pre-printing	Not available
Applications	Personalization UID, S/N, etc.
	Any embedded usage



UHF Paper Hang Tag

Chip Options	R6, M730, M750, U8, U9, etc.
Material	Coated paper 75 * 30 mm or customized size
Dimension	
Pre-printing	CMYK offset printing
Personalization	UID, S/N, barcode, QR code, encoding, etc.
Applications	Apparel management



UHF Satin Fabric Tag

Chip Options	R6, M730, M750, U8, U9, etc.
Material	Satin
Dimension	35 * 55 mm or customized size
Pre-printing	CMYK offset printing
Personalization	UID, S/N, barcode, QR code, encoding, etc.
Applications	Apparel management



UHF Marathon Tag (PVC)

Chip Options	R6, M730, M750, U8, U9, etc.
Material	PVC
Dimension	80 * 20 * 1 mm or customized size
Pre-printing	CMYK offset printing
Personalization	UID, S/N, barcode, QR code, encoding, etc.
Applications	Tracking for marathon racer



UHF Marathon Tag (Sponge)

Chip Options	R6, M730, M750, U8, U9, etc.
Material	PET+Sponge
Dimension	100 * 15 mm or customized size
Pre-printing	LOGO printing
Personalization	UID, S/N, barcode, QR code, encoding, etc.
Applications	Tracking for marathon racer



UHF Laundry Tag (Fabric)

Chip Options	R6, M730, M750, U8, U9, etc.
Material	Polyester (with or without glue)
Dimension	70 * 15 mm, 86 * 16 mm or customized size
Pre-printing	Not available
Personalization	UID, S/N, etc.
Applications	Laundry management, Apparel management, etc.



UHF Laundry Tag (PPS)

Chip Options	R6, M730, M750, U8, U9, etc.
Material	PPS
Dimension	Dia18 mm, THK2.8 mm
Pre-printing	Not available PersonalizationNot available
Applications	Laundry management, Apparel management, etc.



UHF Screw RFID Tag

Chip Options	R6, M730, M750, U8, U9, etc.
Material	Ceramics, stainless steel
Dimension	15.8 * 35 mm or customized size
Pre-printing	Not available
	PersonalizationNot available
Applications	Asset management, Warehouse management, Logistics management, etc.



UHF Embedded RFID Tag

Chip Options	Monza X-8K
Material	Ceramics, stainless steel 65 *
Dimension	35 * 7.5 mm or customized size
Pre-printing	Not available
	PersonalizationNot available
Applications	Asset management, Warehouse management, Logistics management, etc.



UHF Laundry Tag (Silicone)

Chip Options	R6, M730, M750, U8, U9, etc.
Material	Silicone 54 * 12 * 2 mm or customized size
Dimension	
Pre-printing	LOGO
Personalization	UID, S/N, etc.
Applications	Laundry management, Apparel management, etc.



UHF Metal Mount RFID Tag (Flexible)

Chip Options	R6, M730, M750, U8, U9, etc.
Material	PET 60 * 25 * 1.2 mm or customized size
Dimension	
Pre-printing	CMYK offset printing
Personalization	UID, S/N, barcode, QR code, encoding, etc.
Applications	Asset management, Logistics management, Manufacturing management, etc.



UHF Cable Tie Tag

Chip Options	R6, M730, M750, U8, U9, etc.
Material	ABS
Dimension	448 * 28 * 8 mm or customized size
Pre-printing	Silk screen printing LOGO
Personalization	UID, S/N, barcode, QR code, encoding, etc.
Applications	Asset management, Warehouse management, Logistics management, etc.



Manhole Cover RFID Tag

RFID Protocol	EPC Class1 Gen2, ISO18000-6C
Frequency	(US) 902-928MHz, (EU) 865-868MHz
IC type	Impinj Monza R6
Memory	EPC 128bits, TID96bits
Write Cycles	100,000 times
Functionality	Read/write
Data Retention	Up to 50 Years
Applicable Surface	Manhole Cover
PPS Tag Size	54x27x6mm
PPS Tag + Stainless Steel	74x27x15mm
Material	PPS + Stainless Steel
Colour	Black
Mounting Methods	Rivet, Adhesive
Weight for PPS Tag	12g
Weight for PPS Tag + Stainless Steel	41g
IP Rating	IP68
Storage Temperature	-30°C to +75°C
Operation Temperature	-30°C to +75°C
Certifications	Reach Approved, RoHS Approved, CE Approved



	Discs					Specialty											
																	
Tag Category	Bin Tag	Epoxy Tag	In Tag	Embeddable RFID		Adept Tag	FIT Tag	IQ Pro Labels			EXO Slim Tag			EXO Tag		EXO Pro Tag	
Sub-category	UHF	UHF	500	Logi Tag 180	MuTRAK	UHF	Ceramic UHF	800P HT	Standard	Ultra	InLine Plate	Standard	Shell+	Standard	Mini	UHF	
Description	Screw or embed into standard waste collec- tion bins	Thin, rigid, surface-print- able rectangle. Can withstand plastic injection molding	Versatile disc-shaped RFID tags designed to perform in the toughest conditions.	Highly robust near-field UHF coin for embedding. Withstands high temperatures, liquids and impact.	UHF ultra-small and robust transponders, ideal to identify small items.	High-performance RAIN RFID tags optimized for specific industrial purposes	Micro-sized transponders for tracking small metal assets	Impermeable, wafer-thin sheets, resistant to high heat and torsion. Shape customizable	Highly chemical resistant and thus ideal for plastic returnable transport items.	Optimized for non-metal- lic flat or slightly curved surfaces. Its special construction ensures a higher durability.	Thin, rigid container tags with large surface to accommodate laser engraving or labels	Wafer-thin UHF asset tags for containers or non-metallic boxes	Low-profile RFID tags ideal for light duty indoor assets tracking. SHELL+ tags are ultrasonic sealed with a plastic back side.	High performance, general purpose transponders. Mount via glue, screw or weld	Small, robust, general purpose transponders	Highly robust, all-purpose RAIN RFID tags mount to any surface material deliver long read ranges	
Chip type	M730	Monza R6-P	G2IM	Monza R6-P	M730	UCODE 8, Monza 4QT, M730, Higgs 3, Monza R6-P, Qstar-2A	Monza R6-P	M730		Monza R6-P	Monza 4E or EM4423 (UHF/NFC)	M730	Monza R6-P, UCODE 8	Monza 4QT, M730	Monza R6	M730, M750, MR6-P, M4QT	
EPC TID	128 bit 48 bit	96 bit 48 bit	256 bit 96 bit	96 bit 48 bit	128 bit 48 bit	128 bit 48 bit	96 bit 48 bit	128 bit 48 bit		128 bit 96 bit	496 bit 96 bit 1920 bit	128 bit 48 bit	96 bit 48 bit	128 bit 96 bit	96 bit 48 bit	128 bit 48 bit	
User memory up to		64 bit	640 bit	64 bit		512 bit	64 bit			32/64 bit	N/A		64 bit	512 bit			
Reading distance up to	39.3 ft (12 m)	20 ft (6 m)	10 ft (3 m)	10 in (25 cm)	3.9 in (10 cm)	27.9 ft (8.5 m)	13.1 ft (4.0 m)	39.3 ft (12 m)	49.2 ft (15 m)	32.8 ft (10 m)	25 ft (7.5 m) or 13 ft (4 m)	36 ft (11 m)	34.7 ft (10.6 m)	108.2 ft (33 m)	9.8 ft (3 m)	36 ft (11 m)	
Other frequencies	LF, HF	LF, HF	LF, HF	LF, HF			LF, HF				HF					UHF-NFC	
Dimensions	Ø 1.2 × 0.6 in (30 × 15 mm)	3.3 × 1.0 × 0.04 in (83 × 25 × 1 mm)	Ø 1.97 x 0.14 in (Ø 50 x 3.5 mm)	Ø 0.7 × 0.1 in (18 x 3 mm)	0.27 x 0.27 in (7 x 7 mm)	max. 5.4 x 1.9 x 0.2 in (136.5 × 48 × 5.5 mm)	max. 0.5 × 0.3 × 0.1 in (13.1 × 7.8 × 3.1 mm)	3.3 × 2.2 × 0.02 in (85 × 55 × 0.5 mm)	max. 3.7 × 0.8 in (95 × 21 mm)	2 × 0.9 x 0.02 in (50 x 24 x 0.5 mm)	4.7 × 2.7 × 0.2 in (120 × 68 × 4 mm)	max. 4.1 x 1.4 x 0.14 in (105 × 36 × 3.5 mm)	max. 4.84 x 1.29 x 0.26 in (123 x 33 × 6.8 mm)	Standard: 3.8 × 1.0 × 0.6 in (97 × 27 × 15 mm) Max : 6.8 × 2.7 × 0.7 in (174 × 70 × 17.8 mm)	2.4 × 0.7 × 0.3 in (60 × 18 × 8 mm)	max. 4.33 x 0.98 x 0.51 in (110 x 25 x 12.85 mm)	
Mount on metal			Yes IP69K	Yes		Yes	Yes					Yes IP68,		Yes	Yes IP68,		Yes IP68,
Moisture resistance	IP67	IP68, IP69K		IP68		IP68,	IP6	IP68				IP69K	IP68	IP69K			IP69K
Food compatible						IP54	8										
Operating temperature	-40 to +185 F (-40 to +85 C)	-40° to +185° F (-40 to +85° C)	-40° to +185° F (-40 to +85° C)	-40° to +185° F (-40 to +85° C)		-4° to +185° F (-20° to +85° C)	-4° to +185° F (-20 to +85° C)	-40° to +185° F (-40 to +85° C)		-22° to +176° F (-30° to +80° C)	-40° to +185° F (-40 to +85° C)	-4° to +185° F (-20° to +85° C)	-22° to +149° F (-30° to +65° C)	-40° to +185° F (-40 to +85° C)		-40° to +185° F (-40° to +85° C)	
Peak temperature to	194° F (90° C)	284° F (140° C)	284° F (140° C)	184° F (140° C)	392° F (200° C)	185° F (85° C)	437°F (225°C)	446° F (230° C)	392° F (200° C)	212° F (100° C)	185° F (85° C)	185° F (85° C)		185° F (85° C)			
Flame resistant			Yes					Yes									
Compliant with EPC C1 G2, ISO 18000-6C and others listed	DIN 30745	ISO/IEC 18000-6C, RAIN	ISO 4892-2 ISO 18000-6C IEC 68.2.6 IEC 68.2.29 UL94-HB ATEX / IECEx	IEC 62262- IK07		MIL STD 810-G, ISO 18000-6C, ISO 17364, DIN 40050-9	ISO 18000-6C			ISO 18000-6C, RAIN	IEC 62262-IK06 ISO 17364, ISO 18000-63	MIL-STD-810 G, 1 kg Steel, 1m		DIN 40050-9 IEC 62262-IK09 ISO 17364	DIN 40050-9 IEC 62262-IK07 ISO 17364	ISO 17364, DIN 40050-9, IEC 62262-IK08 (InLine)	



	Discs					Specialty													
																			
Tag Category	IronTag®		ISO Card	EXO Keg Tag	LinTRAK®	Seal Tag vTamper		Seal Tag edTamper		SlimFlex™ Tag		Ear Tag	IQ On Metal Labels	IQ Labels	Sense Passive		Sentry Tag		
Sub-category	176	206 206F	UHF	UHF	UHF	UHF	89/56/35		UHF		Standard / Mini		UHF	UHF	UHF	FIT 500 HT	IQ	PCB	Cable
Description	High-temperature and flame resistant tags. Enable tracking of metal assets in harsh environments		Standard ISO cards, configurable to any application requirements, including multiple frequencies	Curved to fit metal kegs and gas cylinders. Mount via welding	Sewn, hemmed or heat-sealed into linens, withstands rigors of commercial laundry cycles	Flexible units with built-in visually tamper evident cable tie		Digitally tamper evident seals report status via RFID when seal is broken		Flexible, rugged transponders deliver versatile mounting options		Reusable RAIN RFID management ear tag for cattle or industrial applications	Thin, printable self-adhesive labels for on-metal use	UHF inlays and labels in various form factors, material and chip options	Innovative range of battery-less ceramic tags and labels for monitoring temperature and presence of moisture.		Highly configurable, PCB based RFID tags with exceptional Size-to-Performance Ratio	Specialized tag for tracking cable assemblies with optimum RFID performance	
	ELECTRONIC																		
Chip type	Higgs 3		Monza X	Monza 4QT	Monza 4QT, Monza R6	Monza M5, Monza R6-P		Higgs 3, M70	Higgs 4	UCODE G2IM+	EM I AURA	Higgs 3, M70		Monza M5	UCODE 8, M730, Monza R6-P	M730, UCODE 9	M3D	M750	M750
EPC TID	96 bit 64 bit		128 bit 96 bit	128 bit 96 bit	128 bit 96 bit	128 bit 96 bit		96 bit 48 bit	128 bit 64 bit	256 bit 96 bit	416 bit 48 bit	96 bit 64 bit		128 bit	128 bit	128 bit 96 bit	128 bit 64 bit	96 bit	96 bit
User memory up to	512 bit		8192 bit	512 bit	512 bit	32/64 bit		128 bit	112 bit	2 kbit		512 bit		N/A	64 bit	46 ft (14 m)	128 bit	32 bit	32 bit
Reading distance up to	13 ft (4 m)		8 ft (2.5 m)	39 ft (12 m)	29 ft (9 m)	16 ft (5 m)		32.8 ft (10 m)	6.5 ft (2 m)	13.1 ft (4 m)		20 ft (6 m)		23 ft (7 m)	43.3 ft (13.2 m)	16.4 ft (5 m)	19 ft (5.8 m)	33 ft. (10m)	20 ft (6 m)
Other frequencies				LF, HF	UHF-NFC	HF					HF			HF				HF	
	ELECTRONIC																		
Dimensions	2.0 × 0.9 × 0.3 in (53 × 23 × 7 mm)		1.3 × 1.2 × 0.24 in (33.7 × 31.1 × 6.1 mm)	3.4 x 2.1 × 0.03 in (85.6 x 53.98 × 0.8 mm)	3.5 × 1.5 × 0.6 in (88 × 37 × 15 mm) 17.7 in (450 mm) curve radius	max. 2.6 × 0.7 in (67 × 17 mm)		max: 3.3 × 1.0 × 0.1 in (85 × 25 × 3 mm); cable tie 15.0 × 0.2 × 0.1 in (380 × 6 × 2 mm)	3.5 × 2.2 × 1.4 in (89 × 56 × 35 mm); cable tie: 17.1 × 0.4 × 0.08 in (450 × 9 × 2 mm)	1.53 × 0.55 × 0.14 in (39 × 14 × 3.6 mm); cable tie 3.07 × 0.55 × 0.14 in (78 × 14 × 3.6 mm)	Tag: 3.74 × 1.67 × 0.31 in (95 × 42.5 × 8 mm) Seal wire: 3.15 in (80 mm)	max. 4.3 x 1.0 x 0.1 in (110 x 25 x3 mm)	4.6 × 3 × 0.07 in (116 × 77 × 1.7 mm)	max. 3.7 × 0.9 x 0.05 in (96 × 24 × 1.3 mm)	max. 3.74 x 0.83 in (95 x 21 mm)	0.53 × 0.35 × 0.16 in (13.5 × 9 × 4.3 mm)	max. 4.48 x 0.94 x 0.05 in (114 x 24 x 1.3 mm)	max. 1.52 × 0.67 × 0.22 in (38.6 × 17 × 5.6 mm)	1.43 × 0.43 × 0.11 in (36.3 × 10.9 × 2.8 mm)
Mount on metal	Yes				Yes			Yes			Yes			Yes		Yes		Yes	
Moisture resistance	IP68, IP69K	IP68, IP69K	IP68	IP68	IP68	IP68						IP68	IP69K, IP68		IP68	IP67, IP68	IP68	IP68	
Food compatible	Yes																		
	THERMAL																		
Operating temperature	-40° to +185° F (-40 to +85° C)		-40° to +158° F (-40 to +70° C) 176° F (80° C)	-40° to +185° F (-40 to +85° C)	-40° to +185° F (-40 to +85° C)	-40° to +158° F (-40 to +70° C)		-40° to +158° F (-40 to +70° C)					-40° to +185° F (-40 to +85° C)	-40° to +185° F (-40 to +85° C)	-40° to +185° F (-40 to +85° C)	-40° to +257° F (-40° to +125° C)	-40° to +185° F (-40° to +85° C)	-58° to 185° F (-50° to 85° C)	-58° to 185° F (-50° to 85° C)
Peak temperature to	356° F (180° C)		428° F (220° C)	185° F (85° C)	428°F (220°C)	158° F (70° C)		158° F (70° C)		212° F (100° C)		185°F (85°C)	185°F (85°C)	185°F (85°C)	392° F (200° C)	185° F (85° C)	365° F (185° C)	365° F (185° C)	
Flame resistant	Yes							Yes											
	ELECTRONIC																		
Compliant with EPC C1 G2, ISO 18000-6C and others listed	ATA Spec 2000 DIN 40050-9 IEC 62262-IK07 GS1 EPC TDS 1.6 SAE AS5678		ISO 10373 ISO 7816-1	IEC 62262-IK08/IK07 ISO 17364	OEKO-TEX® Standard 100 Level 1, MRI Compliant	IEC 62262-IK08	IEC 62262-IK06	ATA Spec 2000 DIN 40050-9 GS1 EPC TDS 1.6 SAE AS5678	IEC 62262-IK06, UHF EPC Class 1 Gen 2, ISO 18000-6C	IEC 62262-IK06	IEC 62262-IK08, EPC Gen2, ISO/IEC 18000-6C			MIL-STD-810 G			1 kg steel, 45 cm		

High Temperature Tags

RFID high temperature tags are crafted for extreme heat environments. They ensure reliable tracking, even under severe conditions. Ideal for sectors like automotive and aerospace, these tags aid in inventory management and asset tracking. Engineered for durability, they maintain data integrity and efficiency.

High Temperature RFID Tag

RFID Protocol	EPC Class1 Gen2, ISO18000-6C
Frequency	(US) 902-928MHZ, (EU) 865-868MHZ
IC type	UCODE8
Memory	EPC 128bits, USER 0 bits, TID 96bits
Write Cycles	100,000times
Functionality	Read/write
Data Retention	50 Years
Applicable Surface	Metal Surfaces
Size	40.0*15.0mm, Hole: D2.5mmx2
Thickness	10.0mm
Material	PEEK
Mounting Methods	Screw
Weight	6g
IP Rating	IP68
Storage Temperature	-40°C to +260°C, +300°C100 hours
Operation Temperature	-40°C to +150°C
Certifications	Reach Approved, RoHS Approved, CE Approved, ATEX Approved.

High Temperature RFID Tag

RFID Protocol	EPC Class1 Gen2, ISO18000-6C
Frequency	US (902-928MHZ)
IC type	NXP Ucode-8
Memory	EPC 128 bits, USER 0 bits, TID 96 bits
Write Cycles	100,000times
Functionality	Read/write
Data Retention	50 Years
Applicable Surface	Metal Surfaces
Size	62.0x29.0mm, Hole: D3.5mmx2
Thickness	12.0mm
Material	PEEK
Mounting Methods	Screw - Socket head cap screw(M3)
Weight	15g
IP Rating	IP65
Storage Temperature	-60°C to +260°C, +300°C100 hours
Operation Temperature	-40°C to +150°C
Reliability testing terms and results	a. Withstand 300°C for 100 hours continuously without damage. b. Withstand 280°C for 1000 hours continuously without damage. c. Withstand 260°C for 2000 hours continuously without damage.
	d. Withstand -20°C for 8 hours, then 260°C for 16 hours per day, 80 days continuously without damage. e. Withstand from 150°C to -40°C, 7.5 cycles per day, 80days continuously with total 600 cycles without damage.
Certifications	Reach Approved, RoHS Approved, CE Approved, ATEX Approved.

High Temperature RFID Tag

RFID Protocol	EPC Class1 Gen2, ISO18000-6C
Frequency	US (902-928MHZ), EU (865-868MHZ)
IC type	Alien Higgs-3, NXP Ucode-8
Memory	EPC 96bits, USER 512bits, TID64bits
Write Cycles	100,000times
Functionality	Read/write
Data Retention	50 Years
Applicable Surface	Metal Surfaces
Size	41.0x29.0mm, Hole: D2.3mmx4
Thickness	9.0mm
Material	PEEK
Mounting Methods	Screw - Socket head cap screw(M2)
Weight	15g
IP Rating	IP68
Storage Temperature	-50°C to +260°C, +300°C 100 hours
Operation Temperature	-40°C to +150°C
Reliability testing terms and results	a. Withstand 300°C for 100 hours continuously without damage. b. Withstand 280°C for 1000 hours continuously without damage. c. Withstand 260°C for 2000 hours continuously without damage.

High Temperature RFID Tag

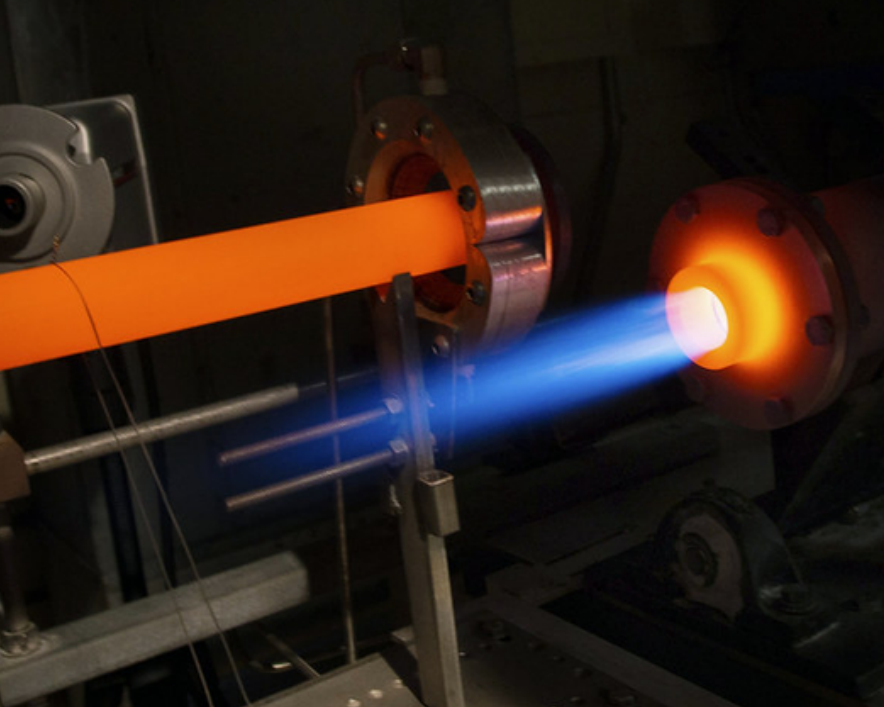
RFID Protocol	EPC Class1 Gen2, ISO18000-6C
Frequency	US (902-928MHZ), EU(865-868MHZ)
IC type	NXP Ucode-8
Memory	EPC 128 bits, USER 0 bits, TID 96 bits
Write Cycles	Minimum 100,000times
Functionality	Read/write
Data Retention	50 Years
Applicable Surface	Metal Surfaces
Size	41.0x29.0mm, Hole: D2.3mmx4
Thickness	9.0mm
Material	PEEK
Mounting Methods	Screw - Socket head cap screw(M2)
Weight	15g
IP Rating	IP68, IP69K
Storage Temperature	-60°C to +260°C, +300°C100 hours
Operation Temperature	-40°C to +200°C
Reliability testing terms and results	a. Withstand 300°C for 100 hours continuously without damage. b. Withstand 280°C for 1000 hours continuously without damage. c. Withstand 260°C for 2000 hours continuously without damage.
	d. Withstand -20°C for 8 hours than 260°C for 16 hours per day, 80 days continuously without damage. e. Withstand from 150°C to -40°C, 7.5 cycles per day, 80 days continuously with total 600 cycles without damage. f. Withstand 260°C for 100 hours continuously then soaking in 2 meters depth water for 48 hours, without seepage or damage.
Compression strength	150Mpa
Certifications	Reach Approved, RoHS Approved, CE Approved, ATEX Approved.

High Temperature RFID Tag

RFID Protocol	EPC Class1 Gen2, ISO18000-6C
Frequency	US (902-928MHZ), EU (865-868MHZ)
IC type	Alien Higgs -3
Memory	EPC 96bits (Up to 480bits), USER 512bits, TID64bits
Write Cycles	100,000times
Functionality	Read/write
Data Retention	Up to 50 Years
Applicable Surface	Metal Surfaces
Size	26x26mm, (Hole: D4mmx2)
Thickness	5.5mm
Material	PPS shell, PCB Antenna
Mounting Methods	Adhesive, Screw, Binding
Weight	6.6g
IP Rating	IP68
Withstands Exposure To	Fuel B, mineral oil, petroleum, salt mist, vegetable oil
Storage Temperature	-40°C to +100°C (230°C for 30 minutes, 180°C for 120minutes)
Operation Temperature	-40°C to +100°C
Certifications	Reach Approved, RoHS Approved, CE Approved, ATEX Approved.

High Temperature RFID Tag

RFID Protocol	EPC Class1 Gen2, ISO18000-6C
Frequency	US (902-928MHZ), EU (865-868MHZ)
IC type	Alien Higgs -3
Memory	EPC 96bits (Up to 480bits), USER 512bits, TID64bits
Write Cycles	100,000times
Functionality	Read/write
Data Retention	Up to 50 Years
Applicable Surface	Metal Surfaces
Size	26x26mm, (Hole: D4mmx2)
Thickness	5.5mm
Material	PPS shell, PCB Antenna
Mounting Methods	Adhesive, Screw, Binding
Weight	6.6g
IP Rating	IP68
Withstands Exposure To	Fuel B, mineral oil, petroleum, salt mist, vegetable oil
Storage Temperature	-40°C to +100°C (230°C for 30 minutes, 180°C for 120minutes)
Operation Temperature	-40°C to +100°C
Certifications	Reach Approved, RoHS Approved, CE Approved, ATEX Approved.



TP UHF Jewellery Label



PHYSICAL SPECIFICATIONS	
Face Stock	Printable white PET resin ribbon is recommended
Label Sizes	81 x 31 x 0.1 mm 3.19 x 1.22 x 0.0039 inch
Adhesive	High performance permanent adhesive with excellent bonding
Weight	0.14g
Write Cycles	On reel
Delivery format	Read/write
No. of Labels/Reel	2000 pcs
Label Pitch	37 mm / 1.45 inch
Core inner diameter	76 mm / 3 inch
Roll outer diameter	181.1 mm / 712 inch

RF SPECIFICATIONS	
Operation Mode	Passive
Device Type	Class 1 Gen 2 Passive UHF RFID transponder
Air Interface Protocol	EPC Global Class 1 Gen 2 ISO 18000-6C
Operational Frequency	Global 860-960 MHz
IC Type*	NXP UCODE 7
Memory Configuration	EPC Size 96 - 128 Bits
Write Cycle Endurance	100,000
Data Retention	Up to 20 years
Applicable Surface Materials	Non-metallic surfaces
Read Range (m)	ETSI: Up to 1.7 m FCC: Up to 4 m

Jewelry Tags

Tamper-proof jewelry tags specially crafted for tagging small, valuable jewelry pieces. Ideal for managing jewelry inventory. These tags can be pre-printed and encoded with easily readable information tailored to the customer's specifications.

TP NFC Jewellery Label

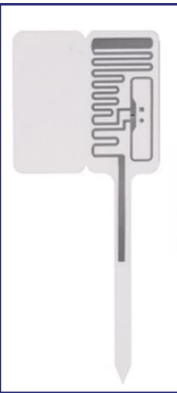


PHYSICAL SPECIFICATIONS	
Face Stock	Printable white PET resin ribbon is recommended
Label Sizes	89 x 37 x 0.1 mm 3.51 x 1.46 x 0.0039 inch
Adhesive	High performance permanent adhesive with excellent bonding
Weight	0.17g
Write Cycles	On reel
Delivery format	Read/write
No. of Labels/Reel	2000 pcs
Label Pitch	45mm
Core inner diameter	76 mm / 3 inch

RF SPECIFICATION	
Operation Mode	Passive
Device type	Passive HF RFID transponder
Air interface protocol	ISO/ IEC 15693
Operational frequency	13.56 MHz
IC type*	NXP ICODE SLIX II
Memory configuration	2560 bits, UID - 64 bits, User Memory - 2528 bits
Data Retention	Up to 50 years
Write Endurance Cycles	100000
Applicable surface materials	Non-metallic surfaces



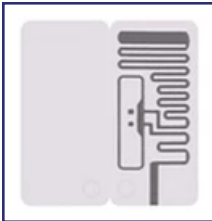
TP NFC Jewellery Label



PHYSICAL SPECIFICATIONS	
Face Stock	Printable white PET resin ribbon is recommended
Label Sizes	75 x 38 x 0.1 mm 2.95 x 1.49 x 0.0039 inch
Adhesive	High performance permanent adhesive with excellent bonding
Weight	0.14g
Write Cycles	On reel
Delivery format	Read/write
No. of Labels/Reel	2000 pcs
Label Pitch	44.45 mm / 1.75 inch
Core inner diameter	76 mm / 3 inch

RF SPECIFICATION	
Operation Mode	Passive
Device type	Class 1 Gen 2 Passive UHF RFID transponder
Air interface protocol	EPC Global Class 1 Gen 2 ISO 18000-6C
Operational frequency	Global 860-960 MHz
IC Type*	NXP UCODE 8
Memory configuration	EPC Size 96 - 128 Bits
Write cycle endurance	100,000
Data Retention	Up to 20 years
Read range (2W ERP) **	ETSI – Up to 2.2 m / 7.21 ft (Free Air) FCC – Up to 1.7 m / 5.57 ft (Free Air)
Applicable surface materials	All surfaces

TP NFC Jewellery Label



PHYSICAL SPECIFICATIONS	
Face Stock	Special Plastic Film
Label Sizes	63.0 x 26.0 x 0.06 mm 2.48 x 1.02 x 0.002 inch
Adhesive	High performance permanent adhesive with excellent bonding to a variety of substrates
Weight	0.5g
Write Cycles	On reel
No. of Labels/Reel	1000 pcs
Label Pitch	30.48 mm / 1.2 inch
Core inner diameter	76 mm / 3 inch

RF SPECIFICATION	UHF	HF (NFC)
Operation Mode	Passive	Passive
Device type	EPC Gen 2 V2	NFC Forum Type 2
Air interface protocol	ISO/IEC 18000/63	ISO/ IEC 14443A-3
Operational frequency	Global 860-960 MHz	13.56MHz
IC Type*	EM4423 by EM ECHO	
Memory configuration	EPC size 224-bit, 96-bit TID, 64-bit User Memory	7-byte Unique ID, 1920-bit User Memory.
Write cycle endurance	100,000	
Data Retention	Up to 20 years	
Read range (2W ERP) **	ETSI: Up to 2.3m in free air FCC: Up to 2.7m in free air	Up to 0.5cm
Applicable surface materials	All surfaces	





RFID Smart Cards

Discover the potential of RFID smart cards for your business. Our range includes LF, HF, and UHF frequencies, catering to diverse applications. Choose from ISO, irregular, paper, epoxy, and ABS types. Customize chips, materials, sizes, printing, and numbering to fit your brand. Perfect for industries like transportation, education, and healthcare. Contact us to revolutionize your operations today.



RPVC Card (Eco-friendly)

Chip Options	MIFARE series, NTAG 213, ICODE SLIX, etc.
Material	RPVC
Dimension	85.5 * 54 mm
Pre-printing	CMYK offset printing PersonalizationS/N, barcode, QR code, encoding, etc.
Applications	Smart advertisement, Product and device authentication, Call request, SMS, Call to action, Vouchers and coupons, Bluetooth or Wi-Fi pairing, Product authentication, Mobile companion tags, Electronic shelf labels, Business cards, etc.



RFID ISO Plastic Card

Chip Options	MIFARE series, NTAG 213, ICODE SLIX, etc.
Material	PVC
Dimension	85.5 * 54 * 0.84 mm
Pre-printing	CMYK offset printing
Personalization	UID, S/N, barcode, QR code, encoding, etc.
Applications	Smart advertisement, Product and device authentication, Call request, SMS, Call to action, Vouchers and coupons, Bluetooth or Wi-Fi pairing, Product authentication, Mobile companion tags, Electronic shelf labels, Business cards, etc.



RFID Plastic Badge

Chip Options	MIFARE series, NTAG 213, ICODE SLIX, etc.
Material	PVC
Dimension	85.5 * 54 mm (According to the list)
Pre-printing	CMYK offset printing
Personalization	UID, S/N, barcode, QR code, encoding, etc.
Applications	Smart advertisement, Product and device authentication, Call request, SMS, Call to action, Vouchers and coupons, Bluetooth or Wi-Fi pairing, Product authentication, Mobile companion tags, Electronic shelf labels, Business cards, etc.



PLA Card (Eco-friendly)

Chip Options	MIFARE series, NTAG 213, ICODE SLIX, etc.
Material	PLA
Dimension	85.5 * 54 mm
Pre-printing	CMYK offset printing
Personalization	S/N, barcode, QR code, encoding, etc.
Applications	Smart advertisement, Product and device authentication, Call request, SMS, Call to action, Vouchers and coupons, Bluetooth or Wi-Fi pairing, Product authentication, Mobile companion tags, Electronic shelf labels, Business cards, etc.



Epoxy RFID Card

Chip Options	MIFARE series, NTAG 213, ICODE SLIX, etc.
Material	PVC+Epoxy
Dimension	45 * 18 mm (According to the list)
Pre-printing	CMYK offset printing
Personalization	UID, S/N, barcode, QR code, encoding, etc.
Applications	Smart advertisement, Product and device authentication, Call request, SMS, Call to action, Vouchers and coupons, Bluetooth or Wi-Fi pairing, Product authentication, Mobile companion tags, Electronic shelf labels, Business cards, etc.



RFID ISO Paper Card

Chip Options	MIFARE series, NTAG 213, ICODE SLIX, etc.
Material	Coated paper
Dimension	85.5 * 54 mm
Pre-printing	CMYK offset printing
Personalization	UID, S/N, barcode, QR code, encoding, etc.
Applications	Limited-use tickets in public transport, Event ticketing, etc.



Wooden Card (Eco-friendly)

Chip Options	MIFARE series, NTAG 213, ICODE SLIX, etc.
Material	Wood
Dimension	85.5 * 54 mm
Pre-printing	Laser engraving, embossed color printing, four-color printing
Personalization	S/N, barcode, QR code, encoding, etc.
Applications	Smart advertisement, Product and device authentication, Call request, SMS, Call to action, Vouchers and coupons, Bluetooth or Wi-Fi pairing, Product authentication, Mobile companion tags, Electronic shelf labels, Business cards, etc.



Contact IC Card

Chip Options	ISSI4442, GT24C512, AT24C64
Material	PVC
Dimension	85.5 * 54 mm
Pre-printing	CMYK offset printing
Personalization	S/N, barcode, QR code, encoding, etc.
Applications	Cashless payment, Identity recognition, etc.



ABS RFID Keyfob

Chip Options	MIFARE series, TK4100, EM4200, etc.
Material	ABS
Dimension	40.5 * 32 * 4.2 mm or customized size
Pre-printing	Monochrome / multicolor logo printing
Personalization	UID, S/N, etc.
Applications	Access control management, etc.



Irregular Size Wooden Card (Eco-friendly)

Chip Options	MIFARE series, NTAG 213, ICODE SLIX, etc.
Material	Wood
Dimension	32 * 25 mm (Hole Size: 16.5 * 2 mm)
Pre-printing	Laser engraving, embossed color
Personalization	S/N, barcode, QR code, encoding, etc.
Applications	Smart advertisement, Product and device authentication, Call request, SMS, Call to action, Vouchers and coupons, Bluetooth or Wi-Fi pairing, Product authentication, Mobile companion tags, Electronic shelf labels, Business cards, etc.



ABS Clamshell Card

Chip Options	MIFARE series, TK4100, EM4200 etc.
Material	ABS
Dimension	85.5 * 54 * 1.9 mm or customized
Pre-printing	One color logo
Personalization	UID, S/N, etc.
Applications	Smart advertisement, Product and device authentication, Call request, SMS, Call to action, Vouchers and coupons, Bluetooth or Wi-Fi pairing, Product authentication, Mobile companion tags, Electronic shelf labels, Business cards, etc.



Magnetic Stripe Card

Magnetic Stripe	LOCO: 300/350 OE HICO: 650/2750/4000 OE
Material	PVC
Dimension	85.5 * 54 mm
Pre-printing	CMYK offset printing
Personalization	S/N, barcode, QR code, encoding, etc.
Applications	Cashless payment, Identity recognition, Member management, etc.

Contact Us

Talk to us about your specific needs or any questions you have about our products. Speak to our experts.

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