SIVA
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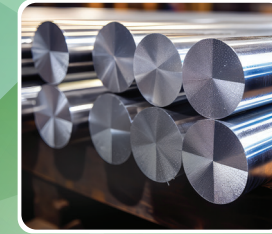
PRODUCT
COMPARISON
GUIDE

SIVA Smart Labels/Tags

On-Metal, NFC, Tamper-Proof Labels, AVI, RTI, General Purpose, Laundry Management, Library Management, Race Timing

V 081024.3

FERRO™ FAMILY

(Industrial Grade Printable All Surface/On-Metal UHF & NFC Labels)

	Product Name	All Surface(AS) 10024 ETSI/FCC	All Surface(AS) NFC 30	MoM 6024 Global	MoM 6024 VDA Global
	Product Image	**Launching Soon!**			
	Description	Slim form factor all-surface UHF label with global tuning. Performs on metal as well as on plastic & liquid containers.	All surface NFC label optimised for application across metal, plastic & liquid containers. Ntag 213. ISO 14443.	On-metal UHF label with global tuning offering extreme performance. Optimised to peform on metal, but works on plastic and liquid containers too.	VDA compliant on-metal UHF label with global tuning and extreme performance. Ideal for Automotive applications. Optimised to peform on metal, but works on plastic and liquid containers too.
RF Specifications	**Operational Frequency**	ETSI: 865 - 868 MHz FCC: 902 - 928 MHz	13.56MHz	Global 865-928 MHz	Global 865-928 MHz
	Read Range**	ETSI: On metal Up to 4m/ 13.12ft FCC: On metal Up to 4m/ 13.12ft	Upto 1 cm	On metal Up to 5.5m/ 18ft	On metal Up to 4.5m/ 14.76ft
	Applicable Surface Materials	All Surface	All Surface	Optimised for Metal but works on other surfaces also	Optimised for Metal but works on other surfaces also
	IC Type*	Impinj M830	Ntag 213	Impinj M830	NXP UCODE 9xm
	Memory Configuration	EPC 128bit; TID 96bit	180 bytes organized in 45 pages with 4 bytes per page; User memory 144 Byte	EPC 128bit; TID 96bit	EPC 496bit; TID 96bit; USER 752bit
Physical Specifications	**Face Stock**	Printable white PET, Resin ribbon is recommended	Printable white PET, Resin ribbon is recommended	Printable white PET, Resin ribbon is recommended	Printable white PET, Resin ribbon is recommended
	Labels Size	100 x 24 x 1.4 mm	Dia 30mm; t: 0.8mm	60 x 24 x 1.4 mm	60 x 24 x 1.4 mm
	Weight	0.84g	1.033g	0.7g	0.7g
	Operating Temperature	-25°C to +85°C / -13°F to +185°F	-25°C to +85°C / -13°F to +185°F	-25°C to +85°C / -13°F to +185°F	-25°C to +85°C / -13°F to +185°F
	IP Rating	IP68	IP68	IP68	IP68
	Adhesive	High performance acrylic adhesive with excellent adhesion to all surfaces	High performance acrylic adhesive with excellent adhesion to all surfaces	High performance acrylic adhesive with excellent adhesion to all surfaces	High performance acrylic adhesive with excellent adhesion to all surfaces

*Other ICs available on request.

**The indicated read range values are measured in our laboratory testing environment, where antennas with optimum directivity are used with maximum allowed operating power. Different surface materials and environments may exhibit different results.

FERRO™ FAMILY
(Industrial Grade Printable All Surface/On-Metal UHF & NFC Labels)

Product Name		MoM 6024 TP ETSI/FCC	MoM HTP 6024 ETSI (upto 230℃)	MoM 8035 Global	MoM 5316 Global
Product Image					
Description		On-metal UHF label with global tuning and tamper-proof security. Impossible to remove intact without breakage.	High temperature resistant On-metal UHF label with global tuning. Upto 230 degrees C x 30 mins x 3 cycles.	On-metal UHF label with global tuning offering extreme performance. Large area for visual thermal transfer printing. Optimised to peform on metal, but works on plastic and liquid containers too.	Small footprint On-metal UHF label with global tuning. Optimised to peform on metal, but works on plastic and liquid containers too.
RF Specifications	Operational Frequency	ETSI: 865 - 868 MHz FCC: 902 - 928 MHz	ETSI: 865 - 868 MHz	Global 865-928 MHz	Global 865-928 MHz
	Read Range**	ETSI: On metal Up to 5m/ 16.4ft FCC: On metal Up to 5m/ 16.4ft	On metal Up to 6m/ 19.69ft	On metal Up to 8m/ 26.24ft	On metal Up to 2m/ 6.56ft
	Applicable Surface Materials	Optimised for Metal but works on other surfaces also	Metallic	Optimised for Metal but works on other surfaces also	Optimised for Metal but works on other surfaces also
	IC Type*	Impinj M830	NXP UCODE 9xm	Impinj M830	Impinj M830
	Memory Configuration	EPC 128bit; TID 96bit	EPC 496bit; TID 96bit; USER 752bit	EPC 128bit; TID 96bit	EPC 128bit; TID 96bit
Physical Specifications	Face Stock	Printable white PET, Resin ribbon is recommended	High temperature resistant printable white PET, Resin ribbon is recommended	Printable white PET, Resin ribbon is recommended	Printable white PET, Resin ribbon is recommended
	Labels Size	60 x 24 x 1.4 mm	60 x 24 x 1.3 mm	80 x 35 x 1.4 mm	53 x 16 x 1.4 mm
	Weight	0.7g	0.75g	0.38g	1.38g
	Operating Temperature	-25℃ to +85℃ / -13℉ to +185℉	-25℃ to +85℃ / -13℉ to +185℉ **Peak Temp:** +230℃ / 446℉ for 30 mins	-25℃ to +85℃ / -13℉ to +185℉	-25℃ to +85℃ / -13℉ to +185℉
	IP Rating	IP68	IP68	IP68	IP68
	Adhesive	High performance acrylic adhesive with excellent adhesion to all surfaces	High performance acrylic adhesive with excellent adhesion to all surfaces	High performance acrylic adhesive with excellent adhesion to all surfaces	High performance acrylic adhesive with excellent adhesion to all surfaces

*Other ICs available on request.

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Product Name	MoM 3520 ETSI/FCC		
Product Image			
Description	Smallest on-metal UHF label. Ideal for applications with limited label application area.		
RF Specifications	Operational Frequency	ETSI: 865 - 868 MHz FCC: 902 - 928 MHz	
	Read Range**	ETSI: On metal Up to 2m/ 6.56ft FCC: On metal Up to 2.5m/ 8.2ft	
	Applicable Surface Materials	Optimised for Metal but works on other surfaces also	
	IC Type*	Impinj M830	
	Memory Configuration	EPC 128bit; TID 96bit	
Physical Specifications	Face Stock	Printable white PET, Resin ribbon is recommended	
	Labels Size	35 x 20 x 1.4 mm	
	Weight	0.32 g	
	Operating Temperature	-25°C to +85°C / -13°F to +185°F	
	IP Rating	IP68	
	Adhesive	High performance acrylic adhesive with excellent adhesion to all surfaces	

*Other ICs available on request.

**The indicated read range values are measured in our laboratory testing environment, where antennas with optimum directivity are used with maximum allowed operating power. Different surface materials and environments may exhibit different results.

Product Name	i200T - On-Metal Durable Hang Tag Global	i200T - On-Metal Durable Hang Tag Self-adhesive Global	i500T - On-Metal Durable Hang Tag (upto 450°C) Global
Product Image			
Description	Durable UHF Hang tag designed specifcially for the steel, construction & automotive industries.	Durable UHF Hang tag with adhesive backing. Designed specifically for the steel industry (Coil management ; Metal slabs).	High temperature resistant durable UHF Hang tag designed for Heavy Duty Industries. On-site thermal transfer printable. Upto 450 degrees C short term and uto 360 degrees C continious temperature resistance.

RF Specifications

	i200T - On-Metal Durable Hang Tag Global	i200T - On-Metal Durable Hang Tag Self-adhesive Global	i500T - On-Metal Durable Hang Tag (upto 450°C) Global
Operational Frequency	Global 865-928 MHz	Global 865-928 MHz	Global 865-928 MHz
Read Range**	Free Air Up to 13m/ 42.65ft	Free Air Up to 13m/ 42.65ft	Free Air Up to 12.5m/ 41.01ft
Applicable Surface Materials	Metallic (attachment by clip or nail)	Metallic	Metallic (attachment by clip or stud welding)
IC Type*	Impinj M830	Impinj M830	Impinj M830
Memory Configuration	EPC 128bit; TID 96bit	EPC 128bit; TID 96bit	EPC 128bit; TID 96bit

Physical Specifications

	i200T - On-Metal Durable Hang Tag Global	i200T - On-Metal Durable Hang Tag Self-adhesive Global	i500T - On-Metal Durable Hang Tag (upto 450°C) Global
Tag Material	Printable White Durable Polyester film	Printable White Durable Polyester film	Printable white high temperature resistant Polyimide film
Labels Size	105 x 101.6 mm	105 x 101.6 mm	105 x 101.6 mm
Weight	4.4g	4.9g	2.85g
Operating Temperature	-25°C to +85°C / -13°F to +185°F Peak Temp: +200°C / 392°F for 30 mins	-25°C to +85°C / -13°F to +185°F	upto +450°C for 30 mins (Short-term) upto +360°C (Continuous)
IP Rating	IP68	IP68	IP68
Adhesive	N/A	High performance acrylic adhesive	N/A

*Other ICs available on request.

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Product Name	HT 3915 ETSI / FCC	HT 10431 ETSI / FCC	HT 12017 Global	HT 10534 Global
Product Image				
Description	Small form factor UHF tag specifically designed for IT asset management. Self adhesive by default but also offers the ability for attachment using cable ties.	A sleek all-surface UHF hard tag featuring a strong adhesive for returnable transit item(RTI) tracking in healthcare, supply chain & logistics.	Durable hard tag with global tunin for tracking non-metallic RTIs. Affixed using screw/rivet to tackle rough conditions. Optional adhesive backing & laser engravable.	Durable hard tag with global tuning and large visual area for laser engraving, optimised for tracking non-metallic RTI's. Affixed using screw/rivet to tackle rough conditions.

RF Specifications

	HT 3915 ETSI / FCC	HT 10431 ETSI / FCC	HT 12017 Global	HT 10534 Global
Operational Frequency	ETSI: 865 - 868 MHz FCC: 902 - 928 MHz	ETSI: 865 - 868 MHz FCC: 902 - 928 MHz	Global 865-928 MHz	Global 865-928 MHz
Read Range**	On Metal Up to 3.6m/ 11.81ft	On Metal Up to 9m/ 29.52ft	On plastic Up to 17m/ 55.77ft	On plastic Up to 12.5m/ 41ft
Applicable Surface Materials	Metallic	All Surface	Non-Metallic	Non-Metallic
IC Type*	NXP UCODE 9xe	NXP UCODE 9xe	NXP UCODE 9xe	NXP UCODE 9xe
Memory Configuration	EPC 128bit; TID 96bit	EPC 128bit; TID 96bit	EPC 128bit; TID 96bit	EPC 128bit; TID 96bit

Physical Specifications

	HT 3915 ETSI / FCC	HT 10431 ETSI / FCC	HT 12017 Global	HT 10534 Global
Tag Material	Engineering Plastic, Synthetic face film	Engineering Plastic, Synthetic face film	ABS Plastic	ABS Plastic
Tag Size	39 x 15 x 4 mm	104 x 31 x 3.7 mm	120 x 17 x 3 mm	105 x 34 x 4 mm
Weight	2.3g	10g	5.38g	11.40g
Operating Temperature	-25°C to +80°C / -13°F to +176°F	-25°C to +80°C / -13°F to +176°F	-40°C to +85°C / -40°F to +185°F	-40°C to +85°C / -40°F to +185°F
IP Rating	IP68	IP68	IP68	IP68
Adhesive	High performance acrylic adhesive	High performance acrylic adhesive	High performance acrylic adhesive (Optional)	High performance acrylic adhesive (Optional)

*Other ICs available on request.

**The indicated read range values are measured in our laboratory testing environment, where antennas with optimum directivity are used with maximum allowed operating power. Different surface materials and environments may exhibit different results.

Product Name		HT 10534 Duo-Fre	HT 6520 Global	HT 11025 Global	HT 11025M (Magnets) Global
Product Image					
Description		Dual frequency durable hard tag for non-metallic RTIs & other applications, providing long-range UHF functionality alongside NFC interface for customer engagement.	Rugged UHF hard tag with a small footprint and global tuning, optimised to perform on metal, featuring brass inserts that withstand heavy duty riveting.	Rugged UHF hard tag with global tuning, optimised to perform on metal featuring brass inserts that withstand heavy duty riveting.	Rugged UHF hard tag with global tuning and built-in magnets for attaching to metalsurfaces.Ideal for use cases where hard tags need to be re-positioned and re-used.
RF Specifications	Operational Frequency	UHF: Global 865-928 MHz HF: 13.56 MHz	Global 865-928 MHz	Global 865-928 MHz	Global 865-928 MHz
	Read Range**	On plastic Up to 9m/ 29.52ft	On Metal Up to 7m/ 22.96ft	On Metal Up to 13m/ 42.65ft	On Metal Up to 8m/ 26.24ft
	Applicable Surface Materials	Non-Metallic	Metallic	Metallic	Metallic
	IC Type*	EM4425	NXP UCODE 9xe	NXP UCODE 9xe	NXP UCODE 9xe
	Memory Configuration	"UHF: EPC 480 bit; TID 96bit HF: Configurable 2048 bit user	EPC 128bit; TID 96bit	EPC 128bit; TID 96bit	EPC 128bit; TID 96bit
Physical Specifications	Tag Material	ABS Plastic	ABS Plastic	ABS Plastic	ABS Plastic
	Tag Size	105 x 34 x 4 mm	65 x 20 x 10 mm	110 x 25 x 13 mm	110 x 25 x 13 mm
	Weight	11.40g	16g	33g	44g
	Operating Temperature	-40°C to +85°C / -40°F to +185°F	-40°C to +85°C / -40°F to +185°F	-40°C to +85°C / -40°F to +185°F	-40°C to +85°C / -40°F to +185°F
	IP Rating	IP68	IP68	IP68	IP68
	Adhesive	High performance acrylic adhesive (Optional)	High performance acrylic adhesive (Optional)	High performance acrylic adhesive (Optional)	High performance acrylic adhesive (Optional) 7kg pull force magnets (default)

*Other ICs available on request.

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Product Name	HT 5050 Global	HT 5050 VDA Global	HT 5050 Duo-Fre	CylTag™ ETSI/FCC
Product Image				
Description	Square shaped rugged UHF hard tag with global tuning, optimised to perform on metal, featuring brass inserts that withstand heavy duty riveting.	VDA compliant square shaped rugged UHF hard tag with global tuning designed specifically for the automotive industry. Optimised to perform on metal, featuring brass inserts that withstand heavy duty riveting.	Dual frequency rugged hard tag providing long-range UHF functionality alongside NFC interface for customer engagement. Shared memory between both UHF & NFC makes data handling effortless. Optimised to perform on metal, featuring brass inserts that withstand heavy duty riveting.	Durable circular hard tag designed for QUICK application onto "cylindrical" metallic objects like Beer Kegs & Gas cylinders via its high performance foam adhesive backing1
RF Specifications — Operational Frequency	Global 865-928 MHz	Global 865-928 MHz	UHF: Global 865-928 MHz HF: 13.56 MHz	ETSI: 865 - 868 MHz FCC: 902 - 928 MHz
Read Range**	On Metal Up to 13m/ 42.65ft	On Metal Up to 13m/ 42.65ft	On Metal Up to 4.5m/ 14.76ft	With Metal Ring: Up to 5.5m/ 18ft Without Metal Ring: Up to 6m/ 19.68ft
Applicable Surface Materials	Metallic	Metallic	Metallic	Metallic
IC Type*	NXP UCODE 9xe	NXP UCODE 9xm	EM4425	NXP UCODE 9xe
Memory Configuration	EPC 128bit; TID 96bit memory	EPC 496bit; TID 96bit; USER 752bit	UHF: EPC 480 bit; TID 96bit HF: Configurable 2048 bit user memory	EPC 128bit; TID 96bit
Physical Specifications — Tag Material	ABS Plastic	ABS Plastic	ABS Plastic	ABS Plastic
Tag Size	50 x 50 x 11.6 mm	50 x 50 x 11.6 mm	50 x 50 x 11.6 mm	Dia 42mm; t: 10 mm
Weight	34g	34g	34g	10g
Operating Temperature	-40°C to +85°C / -40°F to +185°F	-40°C to +85°C / -40°F to +185°F	-40°C to +85°C / -40°F to +185°F	-40°C to +85°C / -40°F to +185°F
IP Rating	IP68	IP68	IP68	IP68
Adhesive	High performance acrylic adhesive (Optional)	High performance acrylic adhesive (Optional)	High performance acrylic adhesive (Optional)	High performance foam tape adhesive Optional: MIG weld Metal Ring

*Other ICs available on request.

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Product Name	HT-CER 52	HT-CER 102	HT-CER 105	HT-CER 139
Product Image				
Description	Our smallest ceramic tag with the ability to survive high temperature cycling applications along with water & chemical resistance. Great for tracking surgical & Industrial tools which have limited application area.	Ceramic tag with high sensitivity designed for harsh operating conditions. Medical instrument disinfection, utility poles, high temp industial papplications. adhesive backing.	Ceramic tags for mounting onto metal surfaces or even embedding into objects. Good resistance to high temperature, water, chemicals & dust.	Ceramic tag designed to survive high temperature cycling. Provides an impressive read range on metal objects. Great for dental instruments, metal tools, metal IT assets and other surgical instruments.

RF Specifications

	HT-CER 52	HT-CER 102	HT-CER 105	HT-CER 139
Operational Frequency	ETSI: 865 - 868 MHz FCC: 902 - 928 MHz	ETSI: 865 - 868 MHz FCC: 902 - 928 MHz	ETSI: 865 - 868 MHz FCC: 902 - 928 MHz	ETSI: 865 - 868 MHz FCC: 902 - 928 MHz
Read Range**	On metal Up to 30 cm	On metal Up to 70 cm	On metal Up to 2m/ 6.56ft	On metal Up to 4m/ 13.12ft
Applicable Surface Materials	Metallic	Metallic	Metallic	Metallic
IC Type*	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3
Memory Configuration	EPC 96bit; TID 96bit; USER 512bit	EPC 96bit; TID 96bit; USER 512bit	EPC 96bit; TID 96bit; USER 512bit	EPC 96bit; TID 96bit; USER 512bit

Physical Specifications

	HT-CER 52	HT-CER 102	HT-CER 105	HT-CER 139
Tag Material	Ceramic	Ceramic	Ceramic	Ceramic
Tag Size	5 x 2.5 x 2 mm	10 x 1.8 x 1.8 mm	10 x 5 x 3 mm	13 x 9 x 3 mm
Weight	0.3g	0.5g	1.4g	1.8g
Operating Temperature	-40°C to +85°C / -40°F to +185°F	-40°C to +85°C / -40°F to +185°F	-40°C to +85°C / -40°F to +185°F	-40°C to +85°C / -40°F to +185°F
Withstands Exposure To	-40°C to +150°C/ -40°F to +302°F	-40°C to +150°C/ -40°F to +302°F	-40°C to +150°C/ -40°F to +302°F	-40°C to +150°C/ -40°F to +302°F
IP Rating	IP68	IP68	IP68	IP68
Adhesive	High performance acrylic adhesive (Optional)	High performance acrylic adhesive (Optional)	High performance acrylic adhesive (Optional)	High performance acrylic adhesive (Optional)

*Other ICs available on request.

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RHINO™ FAMILY

(Rugged & Durable Ceramic Tags for Industrial, Indoor & Outdoor Applications)

Product Name		HT-CER 259	HT-CER 2525
Product Image			
Description		Ceramic tag with high sensitivity designed for extreme operating conditions. Excellent read range on metal objects.	A versatile square shaped ceramic tag with a slim form factor offerig excellent performance across a wide range of metal asset management applications.
RF Specifications	**Operational Frequency**	ETSI: 865 - 868 MHz FCC: 902 - 928 MHz	ETSI: 865 - 868 MHz FCC: 902 - 928 MHz
	Read Range**	On metal Up to 4.2m/ 13.77ft	On metal Up to 6.5m/ 21.32ft
	Applicable Surface Materials	Metallic	Metallic
	IC Type*	Alien Higgs 3	Alien Higgs 3
	Memory Configuration	EPC 96bit; TID 96bit; USER 512bit	EPC 96bit; TID 96bit; USER 512bit
Physical Specifications	**Tag Material**	Ceramic	Ceramic
	Tag Size	25 x 9 x 3 mm	25 x 25 x 3 mm
	Weight	3.8g	9.6g
	Operating Temperature	-40°C to +85°C / -40°F to +185°F	-40°C to +85°C / -40°F to +185°F
	Withstands Exposure To	-40°C to +150°C/ -40°F to +302°F	-40°C to +150°C/ -40°F to +302°F
	IP Rating	IP68	IP68
	Adhesive	High performance acrylic adhesive (Optional)	High performance acrylic adhesive (Optional)

*Other ICs available on request.

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Product Name		HT-63	HT-104	HT-186	HT-2510
Product Image					
Description		Our smallest PCB tag. Works on metal surfaces and does on shatter on strong collision. Can be screwed onto objects and comes with optional adhesive backing. Great for application on metal objects.	PCB tag that works on metal surfaces and withstands strong collisions. Designed to survive high temperature cycling applications but is not steam/chemical resistant. Can be screwed onto objects and comes with optional adhesive backing.	PCB tag that works on metal surfaces and withstands strong collisions. Designed to survive high temperature cycling applications but is not steam/chemical resistant. Can be screwed onto objects and comes with optional adhesive backing.	PCB tag that works on metal surfaces and withstands strong collisions. Designed to survive high temperature cycling applications but is not steam/chemical resistant. Can be screwed onto objects and comes with optional adhesive backing.
RF Specifications	Operational Frequency	ETSI: 865 - 868 MHz FCC: 902 - 928 MHz	ETSI: 865 - 868 MHz FCC: 902 - 928 MHz	ETSI: 865 - 868 MHz FCC: 902 - 928 MHz	ETSI: 865 - 868 MHz FCC: 902 - 928 MHz
	Read Range**	On metal Up to 0.9m/ 2.95ft	On metal Up to 0.9m/ 2.95ft	On metal Up to 3m/ 9.84ft	On metal Up to 3m/ 9.84ft
	Applicable Surface Materials	Metallic	Metallic	Metallic	Metallic
	IC Type*	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3
	Memory Configuration	EPC 96bit; TID 96bit; USER 512bit	EPC 96bit; TID 96bit; USER 512bit	EPC 96bit; TID 96bit; USER 512bit	EPC 96bit; TID 96bit; USER 512bit
Physical Specifications	Tag Material	FR4 (PCB)	FR4 (PCB)	FR4 (PCB)	FR4 (PCB)
	Tag Size	6 x 3 X T:2 mm without IC bump, 3 mm with IC bump	10 x 4 x 2 mm	18 x 6 x T: 3 mm without IC bump, 4 mm with IC bump	25 x 10 x 2 mm
	Weight	0.1g	0.2g	0.7g	1.1g
	Operating Temperature	-40°C to +100°C/ -40°F to +212°F	-40°C to +100°C/ -40°F to +212°F	-40°C to +100°C/ -40°F to +212°F	-40°C to +100°C/ -40°F to +212°F
	Withstands Exposure To	-40°C to +150°C/ -40°F to +302°F	-40°C to +150°C/ -40°F to +302°F	-40°C to +150°C/ -40°F to +302°F	-40°C to +150°C/ -40°F to +302°F
	IP Rating	IP68	IP68	IP68	IP68
	Adhesive	High performance acrylic adhesive (Optional)	High performance acrylic adhesive (Optional)	High performance acrylic adhesive (Optional)	High performance acrylic adhesive (Optional)

*Other ICs available on request.

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Product Name	Loop Lock Plant Tag
Product Image	
Description	Loop-lock UHF tag for identifying, tracking & inventory management of plants.

RF Specifications		
	Operational Frequency	Global 865-928 MHz
	Read Range**	Free Air Up to 8m/ 26.24ft
	Applicable Surface Materials	Free-Air
	IC Type*	Impinj M830
	Memory Configuration	EPC 128bit; TID 96bit

Physical Specifications		
	Face Stock	Printable white PET, Resin ribbon is recommended
	Label Size	175 x 20.32 x 0.5 mm
	Weight	1.03g
	Operating Temperature	-25°C to +80°C / -13°F to +176°F
	Withstands Exposure To	95% humidity, 60°C × 100 h, 50% humidity, 80°C × 100 h
	IP Rating	IP68
	Adhesive	N/A

*Other ICs available on request.

**The indicated read range values are measured in our laboratory testing environment, where antennas with optimum directivity are used with maximum allowed operating power. Different surface materials and environments may exhibit different results.

Product Name	Re-Load Pro 2714	Re-Load Pro 4620	Re-Load Pro 7320	Re-Load Pro 7320 Duo-Fre
Product Image				
Description	Compact sized label for RTI and other applications. High temperature chemical washing resistant.	Returnable plastic container label with small label application footprint. High temperature chemical washing resistant.	High temperature chemical washing resistant label for Returnable plastic containers with balanced dimensions. It's slim size provides a great fit for a variety of container sizes.	Dual frequency (RAIN & NFC) RFID label designed to accurately identify and track non-metal pallets and returnable transport items (RTI's)

RF Specifications

	Re-Load Pro 2714	Re-Load Pro 4620	Re-Load Pro 7320	Re-Load Pro 7320 Duo-Fre
Operational Frequency	Global 865-928 MHz	Global 865-928 MHz	Global 865-928 MHz	UHF: Global 865-928 MHz HF: 13.56 MHz
Read Range**	On plastic Up to 3m/ 9.84ft	On plastic Up to 9m/ 29.52ft	On plastic Up to 12m/ 39.37ft	On plastic Up to 2.5m/ 8.2ft
Applicable Surface Materials	Non-Metallic	Non-Metallic	Non-Metallic	Non-Metallic
IC Type*	NXP UCODE 9xe	NXP UCODE 9xe	NXP UCODE 9xe	EM4425
Memory Configuration	EPC 128bit; TID 96bit	EPC 128bit; TID 96bit	EPC 128bit; TID 96bit	UHF: EPC 480 bit; TID 96bit HF: Configurable 2048 bit user memory

Physical Specifications

	Re-Load Pro 2714	Re-Load Pro 4620	Re-Load Pro 7320	Re-Load Pro 7320 Duo-Fre
Face Stock	Printable white PET, Resin ribbon is recommended	Printable white PET, Resin ribbon is recommended	Printable white PET, Resin ribbon is recommended	Printable white PET, Resin ribbon is recommended
Label Size	27 x 14 x 0.2 mm	46 x 20 x 0.2 mm	73 x 20 x 0.2 mm	73 x 20 x 0.2 mm
Weight	0.2g	0.42g	0.4g	0.4g
Operating Temperature	-30°C to +80°C / -22°F to +176°F	-30°C to +80°C / -22°F to +176°F	-30°C to +80°C / -22°F to +176°F	-30°C to +80°C / -22°F to +176°F
IP Rating	IP68	IP68	IP68	IP68
Adhesive	High performance acrylic adhesive provides high bond to most surfaces, including low surface energy plastics	High performance acrylic adhesive provides high bond to most surfaces, including low surface energy plastics	High performance acrylic adhesive provides high bond to most surfaces, including low surface energy plastics	High performance acrylic adhesive provides high bond to most surfaces, including low surface energy plastics

*Other ICs available on request.

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Product Name	Re-load Pro 9026	Re-Load Pro 9026 VDA
Product Image		
Description	High temperature chemical washing resistant label for returnable plastic containers that performs even when applied in close proximity to objects with high water content.	VDA compliant RTI label designed specifically for the automotive industry. High temperature chemical washing resistant and performs even when applied in close proximity to objects with high water content.

		Re-load Pro 9026	Re-Load Pro 9026 VDA
RF Specifications	Operational Frequency	Global 865-928 MHz	Global 865-928 MHz
	Read Range**	On plastic Up to 21m/ 68.89ft	On plastic Up to 19m/ 62.33ft
	Applicable Surface Materials	Non-Metallic	Non-Metallic
	IC Type*	NXP UCODE 9xe	NXP UCODE 9xM
	Memory Configuration	EPC 128bit; TID 96bit	EPC 496bit; TID 96bit; USER 752bit
Physical Specifications	Face Stock	Printable white PET, Resin ribbon is recommended	Printable white PET, Resin ribbon is recommended
	Label Size	90 x 26 x 0.2 mm	90 x 26 x 0.2 mm
	Weight	0.563g	0.563g
	Operating Temperature	-30°C to +80°C / -22°F to +176°F	-30°C to +80°C / -22°F to +176°F
	IP Rating	IP68	IP68
	Adhesive	High performance acrylic adhesive provides high bond to most surfaces, including low surface energy plastics	High performance acrylic adhesive provides high bond to most surfaces, including low surface energy plastics

*Other ICs available on request.

**The indicated read range values are measured in our laboratory testing environment, where antennas with optimum directivity are used with maximum allowed operating power. Different surface materials and environments may exhibit different results.

REVEAL™ FAMILY
(Temperature/Moisture Sensing UHF Labels)

Product Name	Sense-T 9828	Sense-T 6050
Product Image		
Description	Waterproof UHF label with a built-in temperature as well as a moisture sensor. Global tuning, slim profile with strong adhesion to plastic RTI's and other non-metallic industrial assets.	Non-metal UHF waterproof label with a built-in temperature as well as a moisture sensor. Global tuning with strong adhesion to plastic RTI's and other non-metallic industrial assets.

RF Specifications

	Sense-T 9828	Sense-T 6050
Operational Frequency	Global 865-928 MHz	Global 865-928 MHz
Read Range**	On plastic Up to 7m/ 22.96ft	On plastic Up to 4.5m/ 14.76ft
Applicable Surface Materials	Non-Metallic	Non-Metallic
IC Type*	Magnus®-S3 M3D Sensor IC	Magnus®-S3 M3D Sensor IC
Memory Configuration	EPC 496bit; TID 96bit; USER 752bit	EPC 496bit; TID 96bit; USER 752bit

Physical Specifications

	Sense-T 9828	Sense-T 6050
Face Stock	Printable white PET, Resin ribbon is recommended	Printable white PET, Resin ribbon is recommended
Label Size	98 x 28 x 0.2 mm	60 x 50 x 0.2 mm
Weight	0.68g	0.63g
Operating Temperature	-25°C to +80°C / -13°F to +176°F	-25°C to +80°C / -13°F to +176°F
IP Rating	IP68	IP68
Adhesive	High performance acrylic adhesive	High performance acrylic adhesive

*Other ICs available on request.

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UNI™ FAMILY
(Cost Effective Labels for Supply Chain & Logistics)

	Product Name	Aerial Micro 2714	Aerial Lite 4620	Aerial Mini 7320	Aerial 9814
	Product Image				
	Description	Compact sized disposable waterproof label. Ideal for applications having limited label application area.	Single-use waterproof label for supply chain & logistic applications. Small on footprint, big on performance.	Value RFID label that is waterproof and can be used for a myriad of supply chain & logistic applications.	Long & slim waterproof label that provides excellent read range and can be deployed across a wide variety of applications.
RF Specifications	**Operational Frequency**	Global 865-928 MHz	Global 865-928 MHz	Global 865-928 MHz	Global 865-928 MHz
	Read Range**	On plastic Up to 2.1m/ 6.88ft	On plastic Up to 13m/ 42.65ft	On plastic Up to 16m/ 52.50ft	On plastic Up to 15m/ 49.21ft
	Applicable Surface Materials	Non-Metallic	Non-Metallic	Non-Metallic	Non-Metallic
	IC Type*	Impinj M830	Impinj M830	Impinj M830	Impinj M830
	Memory Configuration	EPC 128bit; TID 96bit	EPC 128bit; TID 96bit	EPC 128bit; TID 96bit	EPC 128bit; TID 96bit
Physical Specifications	**Face Stock**	Printable white PET, Resin ribbon is recommended	Printable white PET, Resin ribbon is recommended	Printable white PET, Resin ribbon is recommended	Printable white PET, Resin ribbon is recommended
	Label Size	27 x 14 x 0.2 mm	46 x 20 x 0.2 mm	73 x 20 x 0.2 mm	98 x 14 x 0.2 mm
	Weight	0.07g	0.2g	0.3g	0.32g
	Operating Temperature	-20℃ to +70℃ / -4°F to +158°F	-20℃ to +70℃ / -4°F to +158°F	-20℃ to +70℃ / -4°F to +158°F	-20℃ to +70℃ / -4°F to +158°F
	IP Rating	IP67	IP67	IP67	IP67
	Adhesive	High-performance permanent adhesive	High-performance permanent adhesive	High-performance permanent adhesive	High-performance permanent adhesive

*Other ICs available on request.

**The indicated read range values are measured in our laboratory testing environment, where antennas with optimum directivity are used with maximum allowed operating power. Different surface materials and environments may exhibit different results.

Product Name	Dumbel 9026	Quadwave 5050	GP 42 Label	GP 46 Label
Product Image				
Description	Cost optimised waterproof label that performs even when applied in close proximity to objects with high water content.	2" x 2" Waterproof UHF label featuring 360-degree Omnidirectional readability in challenging use cases.	4" x 2" UHF Paper label. Thermal transfer printable & economical, a great choice for parcel and pallet labelling.	4" x 6" UHF Paper label. Thermal transfer printable & economical, a great choice for parcel and pallet labelling.
RF Specifications				
Operational Frequency	Global 865-928 MHz	Global 865-928 MHz	Global 865-928 MHz	Global 865-928 MHz
Read Range**	On plastic Up to 15m/ 49.21ft	On plastic Up to 7.5m/ 24.60ft	On plastic Up to 14m/ 45.93ft	On plastic Up to 14m/ 45.93ft
Applicable Surface Materials	Non-Metallic	Non-Metallic	Non-Metallic	Non-Metallic
IC Type*	Impinj M830	Impinj M4QT	Impinj M830	Impinj M830
Memory Configuration	EPC 128bit; TID 96bit	EPC 128bit; TID 96bit; USER 512bit	EPC 128bit; TID 96bit	EPC 128bit; TID 96bit
Physical Specifications				
Face Stock	Printable white PET, Resin ribbon is recommended	Printable white PET, Resin ribbon is recommended	Printable white paper	Printable white paper
Label Size	90 x 26 x 0.2 mm	50.8 x 50.8 x 0.2 mm	101.6 x 50.8 x 0.2 mm	101.6 x 152.4 x 0.2 mm
Weight	0.5g	0.455g	0.7g	1.7g
Operating Temperature	-20°C to +70°C / -4°F to +158°F	-20°C to +70°C / -4°F to +158°F	-20°C to +70°C / -4°F to +158°F	-20°C to +70°C / -4°F to +158°F
IP Rating	IP67	IP67	IP60	IP60
Adhesive	High-performance permanent adhesive	High-performance permanent adhesive	High-performance permanent adhesive	High-performance permanent adhesive

*Other ICs available on request.

**The indicated read range values are measured in our laboratory testing environment, where antennas with optimum directivity are used with maximum allowed operating power. Different surface materials and environments may exhibit different results.

Product Name	Tyre Label 46	Aerial 6024 TP	6326 TP Duo-Fre	Dumbel-T Flag Label
Product Image				
Description	4" x 6" UHF Waterproof labels with a special adhesive for direct application on tires for supply chain management.	Waterproof UHF label with Tamper-Proof security. Impossible to transfer intact without breakage.	Dual-frequency Waterproof label with Tamper-proof security. Impossible to transfer intact without breakage. UHF functionality alongside NFC interface for customer engagement.	Cost optimised UHF Flag label that offers excellent read range in challenging use cases. Easy attachment onto a variety of surfaces including on-metal.
RF Specifications				
Operational Frequency	Global 865-928 MHz	Global 865-928 MHz	UHF: Global 865-928 MHz HF: 13.56 MHz	Global 865-928 MHz
Read Range**	On rubber Up to 13.5m/ 44.3ft	On plastic Up to 12.5m/ 41ft	On plastic Up to 6m/ 19.68ft	On plastic Up to 12m/ 39.37ft
Applicable Surface Materials	Rubber	Non-Metallic	Non-Metallic	All Surface
IC Type*	Impinj M830	Impinj M830	EM4425	Impinj M830
Memory Configuration	EPC 128bit; TID 96bit	EPC 128bit; TID 96bit	UHF: EPC 480 bit; TID 96bit HF: Configurable 2048 bit user memory	EPC 128bit; TID 96bit
Physical Specifications				
Face Stock	Printable white PET, Resin ribbon is recommended	Printable white PET, Resin ribbon is recommended	Printable white PET, Resin ribbon is recommended	Printable white PET, Resin ribbon is recommended
Label Size	100 x 150 x 0.2 mm	60 x 24 x 2.4 mm	63 x 26 x 0.6 mm	100 x 120 x 0.2 mm
Weight	2.6g	0.36g	0.5g	1.1g
Operating Temperature	-20°C to +70°C / -4°F to +158°F	-25°C to +85°C / -13°F to +185°F	-25°C to +85°C / -13°F to +185°F	-20°C to +70°C / -4°F to +158°F
IP Rating	IP67	IP67	IP67	IP67
Adhesive	Special adhesive for excellent tack on tyre treads	High-performance acrylic adhesive	High-performance acrylic adhesive	High-performance permanent adhesive

*Other ICs available on request.

**The indicated read range values are measured in our laboratory testing environment, where antennas with optimum directivity are used with maximum allowed operating power. Different surface materials and environments may exhibit different results.

Product Name	Cintura Loop Label
Product Image	
Description	Thermal Transfer Printable UHF Loop tag designed for "hard-to-tag" objects such as cables, tubes etc. Engineered to work on metallic objects as well.

RF Specifications	Operational Frequency	Global 865-928 MHz
	Read Range**	In Free Air to 7m/ 22.96ft
	Applicable Surface Materials	All Surface
	IC Type*	Impinj M830
	Memory Configuration	EPC 128bit; TID 96bit
Physical Specifications	Face Stock	Printable white PET, Resin ribbon is recommended
	Label Size	275.6 x 30 x 0.2 mm
	Weight	0.8g
	Operating Temperature	-20°C to +70°C / -4°F to +158°F
	IP Rating	IP67
	Adhesive	High-performance permanent adhesive

*Other ICs available on request.

**The indicated read range values are measured in our laboratory testing environment, where antennas with optimum directivity are used with maximum allowed operating power. Different surface materials and environments may exhibit different results.

Product Name	NFC 25
Product Image	
Description	Printer friendly circular shaped NFC label for application onto non-metallic surfaces.

RF Specifications		
	Operational Frequency	13.56MHz
	Read Range**	Upto 1 cm
	Applicable Surface Materials	Non-Metallic
	IC Type*	Ntag 213
	Memory Configuration	180 bytes organized in 45 pages with 4 bytes per page; User memory 144 Byte

Physical Specifications		
	Face Stock	Printable white PET, Resin ribbon is recommended
	Label Size	Dia 25mm
	Weight	0.135g
	Operating Temperature	-20°C to +70°C / -4°F to +158°F
	IP Rating	IP67
	Adhesive	High-performance permanent adhesive

*Other ICs available on request.

**The indicated read range values are measured in our laboratory testing environment, where antennas with optimum directivity are used with maximum allowed operating power. Different surface materials and environments may exhibit different results.

Product Name	Veda-1 5050	Veda-2 8050
Product Image		
Description	Paper label with Icode Slix 2 for library & rental item level tagging for automated self-checkout & returning of media.	Paper label with Icode Slix 2 for library & rental item level tagging for automated self-checkout & returning of media.
RF Specifications — Operational Frequency	13.56MHz	13.56MHz
Read Range**	Upto 5 cm	Upto 5 cm
Applicable Surface Materials	Non-Metallic	Non-Metallic
IC Type*	NXP ICode SLIX II | ISO/IEC 15693	NXP ICode SLIX II | ISO/IEC 15693
Memory Configuration	EEPROM: 2528 bits2560 bits user memory, organized in 80 blocks of 4 bytes each; UID 64 bit	EEPROM: 2528 bits2560 bits user memory, organized in 80 blocks of 4 bytes each; UID 64 bit
Physical Specifications — Face Stock	Printable white paper	Printable white paper
Label Size	50 x 50 x 0.2 mm	80 x 50 x 0.2 mm
Weight	0.5g	1g
Operating Temperature	-20°C to +70°C / -4°F to +158°F	-20°C to +70°C / -4°F to +158°F
IP Rating	IP60	IP60
Adhesive	High-performance permanent adhesive	High-performance permanent adhesive

*Other ICs available on request.

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EMPORIO™ FAMILY

(Labels & Tags for Appared & Item Level Retail)

	Product Name	Aerial Elite 6040	Apparel Hang Tag	Jewellery/Eyewear Label	Flagpole
	Product Image				
	Description	Plastic-free sustainable UHF paper label designed specifcially for Apparel & retail applications.	UHF Hang-Tag for Apparel tagging. Fully customisable with upto full colour printing and custom size options.	UHF printer friendly cost optimised label for tagging Jewellery & Eyewear.	Cost optimised UHF Flag label for item level tracking of metallic objects.
RF Specifications	Operational Frequency	Global 865-928 MHz	Global 865-928 MHz	Global 865-928 MHz	Global 865-928 MHz
	Read Range**	On plastic Up to 12m/ 39.37ft	Free Air Up to 8.5m/ 27.88ft	Free Air Up to 2m/ 6.56ft	On metal Up to 14m/ 45.93ft
	Applicable Surface Materials	Non-Metallic	All Surface	All Surface	Metallic
	IC Type*	Impinj M830	Impinj M830	Impinj M830	Impinj M830
	Memory Configuration	EPC 128bit; TID 96bit	EPC 128bit; TID 96bit	EPC 128bit; TID 96bit	EPC 128bit; TID 96bit
Physical Specifications	Face Stock	Printable white paper	Printable white paper	Printable white PET, Resin ribbon is recommended	Printable white PET, Resin ribbon is recommended
	Label Size	60 x 40 x 0.2 mm	79 x 38 x 0.35 mm	92 x 14 x 0.2 mm	Before Folding: 67 x 22 x 0.2 mm After Folding: 43 x 22 x 0.2 mm
	Weight	0.25g	1.2g	0.12g	0.5g
	Operating Temperature	-20℃ to +70℃ / -4°F to +158°F	-20℃ to +70℃ / -4°F to +158°F	-20℃ to +70℃ / -4°F to +158°F	-20℃ to +70℃ / -4°F to +158°F
	IP Rating	IP60	IP60	IP67	IP67
	Adhesive	High-performance permanent adhesive	N/A	High-performance permanent adhesive	High-performance permanent adhesive

*Other ICs available on request.

**The indicated read range values are measured in our laboratory testing environment, where antennas with optimum directivity are used with maximum allowed operating power. Different surface materials and environments may exhibit different results.

		Dumbel Foam Tag (3mm)	Dogbone Foam Tag (3mm)
	Product Name	**Dumbel Foam Tag (3mm)**	**Dogbone Foam Tag (3mm)**
	Product Image		
	Description	3mm UHF Foam tag for affixing onto race number bibs. Thermal transfer printable.	3mm UHF Foam tag for affixing onto race number bibs. Thermal transfer printable.
RF Specifications	**Operational Frequency**	Global 865-928 MHz	Global 865-928 MHz
	Read Range**	Free Air Up to 16.5m/ 54.13ft	Free Air Up to 16.5m/ 54.13ft
	Applicable Surface Materials	On Bibs	On Bibs
	IC Type*	Impinj R6P	Impinj M730
	Memory Configuration	EPC 128bit; TID 96bit	EPC 128bit; TID 96bit
Physical Specifications	**Face Stock**	Printable foam	Printable foam
	Label Size	100 x 34.29 x 3 mm	100 x 31.75 x 3 mm
	Weight	1g	1g
	Operating Temperature	-20°C to +70°C / -4°F to +158°F	-20°C to +70°C / -4°F to +158°F
	IP Rating	IP68	IP68
	Adhesive	High-performance permanent adhesive	High-performance permanent adhesive

*Other ICs available on request.

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SIVA IoT

		Windshield TE	Windshield TP	Windshield TP DNA	Headlight TP
	Product Name	Windshield TE	Windshield TP	Windshield TP DNA	Headlight TP
	Product Image				
	Description	UHF Windshield label for fast & reliable vehicle identification featuring a strong permanent adhesive & tamper cuts. Great for Car Parking & fleet management.	UHF Windshield label with Tamper-proof security. Impossible to transfer without breakage. Great for Car Parking & fleet management Fully customisable.	UHF Windshield label with Tamper-proof ecurity & encryption feature for fraud prevention. Impossible to transfer without breakage. Great choice for National Tolling Projects. Fully customisable	Transparent UHF Headlight label with Tamper-proof security. Impossible to transfer without breakage. Customisable.
RF Specifications	**Operational Frequency**	Global 865-928 MHz	Global 865-928 MHz	Global 865-928 MHz	Global 865-928 MHz
	Read Range**	On glass Up to 12m/ 39.37ft	On glass Up to 8.5m/ 27.88ft	On glass Up to 2m/ 6.56ft	On head lamp Up to 14m/ 45.93ft
	Applicable Surface Materials	Vehicle windshield	Vehicle windshield	Vehicle windshield	Polycarbonate surfaces
	IC Type*	G2im	Impinj M4QT	Ucode DNA	Impinj M4QT
	Memory Configuration	EPC 256bit; TID 48bit	EPC 128bit; TID 96bit; USER 512bit	EPC 448bit; TID 96bit	EPC 128bit; TID 96bit; USER 512bit
Physical Specifications	**Face Stock**	Printable white PET, Resin ribbon is recommended	Printable white PET, Resin ribbon is recommended	Printable white PET, Resin ribbon is recommended	Special Transparent film
	Label Size	96 x 27 x 0.3 mm	68 x 30 x 0.2 mm	96 x 27 x 0.2 mm	100 x 12 x 0.2 mm
	Weight	0.92g	0.10g	0.11g	0.25g
	Operating Temperature	-25°C to +85°C / -13°F to +185°F	-25°C to +85°C / -13°F to +185°F	-25°C to +85°C / -13°F to +185°F	-25°C to +85°C / -13°F to +185°F
	IP Rating	IP68	IP68	IP68	IP68
	Adhesive	High performance acrylic adhesive	High performance acrylic adhesive	High performance acrylic adhesive	High performance acrylic adhesive

Other ICs available on request.

**The indicated read range values are measured in our laboratory testing environment, where antennas with optimum directivity are used with maximum allowed operating power. Different surface materials and environments may exhibit different results.

Product Name	Headlight TP - DNA	3rd License Plate TP - DNA	3rd License plate TP
Product Image			
Description	Transparent UHF Headlight label with Tamper-proof security & encryption feature for fraud prevention. Impossible to transfer without breakage. Great choice for National Tolling Projects. Customisable.	Third License Plate Windshield label with Tamper-proof security. Impossible to transfer without breakage. On-site printable license plate number is visible from outside the windshield for easy inspection.	Third License Plate Windshield label with Tamper-proof security & encryption feature for fraud prevention. On-site printable license plate number is visible from outside the windshield for easy inspection.

RF Specifications

	Headlight TP - DNA	3rd License Plate TP - DNA	3rd License plate TP
Operational Frequency	Global 865-928 MHz	Global 865-928 MHz	Global 865-928 MHz
Read Range**	On head lamp Up to 12m/ 39.37ft	On glass Up to 10m/ 32.8ft	On glass Up to 10m/ 32.8ft
Applicable Surface Materials	Polycarbonate surfaces	Vehicle windshield	Vehicle windshield
IC Type*	Ucode DNA	Ucode DNA	Impinj M4QT
Memory Configuration	EPC 448bit; TID 96bit	EPC 448bit; TID 96bit	EPC 128bit; TID 96bit; USER 512bit

Physical Specifications

	Headlight TP - DNA	3rd License Plate TP - DNA	3rd License plate TP
Face Stock	Special Transparent film	Printable white PET, Resin ribbon is recommended	Printable white PET, Resin ribbon is recommended
Label Size	100 x 12 x 0.2 mm	72 x 96 x 0.2 mm	72 x 96 x 0.2 mm
Weight	0.25g	1.8g	0.8g
Operating Temperature	-25°C to +85°C / -13°F to +185°F	-25°C to +85°C / -13°F to +185°F	-25°C to +85°C / -13°F to +185°F
IP Rating	IP68	IP68	IP68
Adhesive	High performance acrylic adhesive	High performance acrylic adhesive	High performance acrylic adhesive

*Other ICs available on request.

**The indicated read range values are measured in our laboratory testing environment, where antennas with optimum directivity are used with maximum allowed operating power. Different surface materials and environments may exhibit different results.

Product Name	Direct Thermal RFID Wristbands	Poly RFID Wristbands	Tyvek® RFID Wristbands	Pat-Track RFID Wristband
Product Image				
Description	Flexibility to print variable data on-demand using a Direct thermal printer (no ribbon needed). Tamper-evident adhesive closure, waterproof & non-stretch.	High-quality 4c gloss printed wristbands that can be deployed instantaneously. Tamper-evident adhesive closure, waterproof & non-stretch.	Low cost disposable wristbands for shorter durations for usage up to 1 day. Tamper-evident adhesive closure, waterproof & non-stretch.	RAIN(UHF) RFID wristband is an ideal solution to locate (RTLS), identify and connect patients to the hospital administration system.

RF Specifications					
	Operational Frequency	13.56 MHz	13.56 MHz	13.56 MHz	Global 865-928 MHz
	Read Range**	Up to 2cm	Up to 2cm	Up to 2cm	ETSI: Upto 7m/ 23ft FCC: Upto 12m/ 39.4ft
	IC Type* | ISO/IEC	I-Code SLIX II (ISO 15693), Mifare UL EV1/C (ISO 14443 A), F08-1K (ISO 14443 A)	I-Code SLIX II (ISO 15693), Mifare UL EV1/C (ISO 14443 A), F08-1K (ISO 14443 A)	I-Code SLIX II (ISO 15693), Mifare UL EV1/C (ISO 14443 A), F08-1K (ISO 14443 A)	Impinj Monza 730

Physical Specifications					
	Face Stock	Direct Thermal Facestock	Thermal Transfer Facestock	Tyvek®	Direct thermal white PP
	Wristband Size	(25.4|30)mm x (254|279.4|304.8)mm	(25.4|30)mm x (254|279.4|304.8)mm	25.4 mm x 254 mm	419.1 x 30 mm
	Weight	1.2g	1g	1g	2.25g
	Operating Temperature	-20°C to +80°C / -4°F to +176°F	-25°C to +85°C / -13°F to +185°F	-25°C to +85°C / -13°F to +185°F	-25°C to +85°C / -13°F to +185°F
	IP Rating	IP67	IP67	IP67	IP68

*Other ICs available on request.

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