

PRODUCT GUIDE

Series	High-Temp RFID tags			Rugged Tags			
Product	STEELMINI	STEELCODE	STEELHT	ROD-MINI	ROD-LITE	ROD-MAX	IRONTRAK
Product Picture							
Dimensions (mm)	9 x 13.5 x 6	13 x 38 x 7.7	31.5 x 48.5 x 10.3	55 x 18.5 x 5.1	74 x 21 x 8.4	100 x 26 x 9.5 100 x 26 x 12	50 x 50 x 11.5
Operating Frequency	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)
Read Range on-metal(2W ERP)	Up to 3m	Up to 6.5m	Up to 10m	Up to 5m	Up to 11m	Up to 16m	Up to 10m
Read Range off-metal(2W ERP)	-	-	-	Up to 3m	Up to 7m	Up to 8m	Up to 8m
IC Type	Impinj R6-P	Impinj R6-P	Impinj R6-P	Impinj R6-P Impinj M730	Impinj R6-P Impinj M730	Impinj R6-P Impinj M730	Impinj R6-P Impinj M730
Operating Temperature	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C
Ambient Temperature	-30°C to +250°C	-30°C to +250°C	-30°C to +250°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C
Protection Class	IP68	IP68	IP68	IP68	IP68	IP68	IP68
Mounting System	Indstry adhesive Epoxy Resin	Rivet hole Φ3.4 mm Epoxy Resin	Rivet hole Φ4.5mm Epoxy Resin	Rivet hole Indstry adhesive	Rivet hole Indstry adhesive	Rivet hole / Magnet	Rivet hole Φ5.0 mm

*Read ranges indicated in this datasheet is achieved by using our standard testing methodology. Actual performance will be different if different reader hardware and output power is applied.



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PRODUCT GUIDE

Series	Printable flexible on metal tags <small>*different sizes contact sales</small>					
Product	IronLabel-P3015	IronLabel-P5015	IronLabel-P6025	IronLabel-P6505	IronLabel-P6535	IronLabel-P7030
Product Picture						
Dimensions (mm)	15 x 30 x 1.26	15 x 50 x 1.26	25 x 65 x 1.26	5 x 65 x 1.26	35 x 65 x 1.26	30 x 70 x 1.26
Operating Frequency	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	902-928MHz (US)	902-928MHz (US)	902-928MHz (US)
Read Range on-metal(2W ERP)	Up to 1m	Up to 4m	Up to 5m	Up to 3m	Up to 7m	Up to 7m
Read Range off-metal(2W ERP)	Up to 0.5m	Up to 3m	Up to 3m	Up to 2m	Up to 4m	Up to 4m
IC Type	Impinj R6	NXP U8	Impinj R6-P	NXP Ucode8	U9XE	Impinj M730
Operating Temperature	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C
Ambient Temperature	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C
Protection Class	IP54	IP54	IP54	IP54	IP54	IP54
Mounting System	Industry grade adhesive	Industry grade adhesive	Industry grade adhesive	Industry grade adhesive	Industry grade adhesive	Industry grade adhesive

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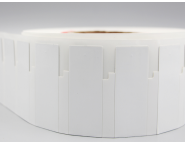





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PRODUCT GUIDE

Series	Printable flexible on metal tags <small>*different sizescontact sales</small>					
Product	IronLabel-P7040	IronLabel-P8025	IronLabel-P8040	IronLabel-P9522	IronLabel-P10025	IronLabel-P10040
Product Picture						
Dimensions (mm)	40 x 70 x 1.26	25 x 60 x 1.26	40 x 80 x 1.26	22 x 95 x 1.26	25 x 100 x 1.26	40 x 100 x 1.25
Operating Frequency	902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	902-928MHz (US)	902-928MHz (US)	902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)
Read Range on-metal(2W ⁺ ERP)	Up to 10m	Up to 8m	Up to 8m	Up to 10m	Up to 10m	Up to 10m
Read Range off-metal(2W ERP)	Up to 5m	Up to 5m	Up to 5m	Up to 5m	Up to 5m	Up to 5m
IC Type	U9XE	Impinj R6-P	Impinj R6-P	Impinj M730	Impinj M730	FCC : Impinj R6 EU : NXP U9
Operating Temperature	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C
Ambient Temperature	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C
Protection Class	IP54	IP54	IP54	IP54	IP54	IP54
Mounting System	Industry grade adhesive	Industry grade adhesive	Industry grade adhesive	Industry grade adhesive	Industry grade adhesive	Industry grade adhesive

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Series	High-Temp with metal shell			Rino Series			
Product	PROMASS	PROMASS Micro	R-BOLT	RINO	RINO L	RINO TP	RINO FS
Product Picture							
Dimensions (mm)	35 x 35 x 5	Φ24.2 x 8.5	DIN933 M10 x 16	14 x 38 x 3.4	15 x 50 x 5.5	25 x 40 x 3	34 x 45 x 6.5
Operating Frequency	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	902-928MHz (US)
Read Range on-metal(2W-ERP)	Up to 4m	Up to 3m	Up to 1.5m	Up to 5m	Up to 8m	Up to 8m	Up to 11m
Read Range off-metal(2W ERP)	Up to 4m	Up to 3m	Up to 1m	Up to 2m	Up to 4m	Up to 4m	Up to 5m
IC Type	Impinj R6-P	Impinj R6-P	Impinj R6-P	Impinj R6-P	Impinj R6-P	Impinj R6-P	Impinj R6-P
Operating Temperature	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C
Ambient Temperature	-30°C to +250°C	-30°C to +250°C	-30°C to +250°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C
Protection Class	IP68	IP68	IP68	IP54	IP54	IP54	IP54
Mounting System	Rivet hole Welding	Epoxy Resin Welding	Screw in	Industry grade adhesive	Industry grade adhesive Cable tie	Industry grade adhesive Cable tie/Rivet hole	Industry grade adhesive

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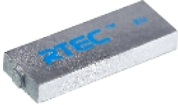

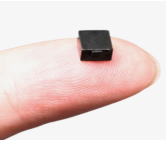





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Series	Ceramic tags					PCB tags		
Product	ATOM	PROTON	BOSON	SS-21	Cube	E-S(D4.8)	E-S	P-S
Product Picture								
Dimensions (mm)	9 x 25 x 3	5 x 10 x 3	5 x 5 x 3	2.1 x 2.1 x 6.8	13 x 9 x 4	4.8 x 1.4	8 x 2 x 2	4 x 18 x 1.8
Operating Frequency	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)
Read Range on-metal(2W ERP)	Up to 7m	Up to 3.5m	Up to 2m	Up to 1.5m	Up to 7m	Up to 0.05m	Up to 0.9m	Up to 2m
Read Range off-metal(2W ERP)	4	2	1	-	4	-	-	-
IC Type	Impinj R6-P	Impinj R6-P	Impinj R6-P	Impinj R6-P	Impinj R6-P	Impinj R6-P	Impinj R6-P	Impinj R6-P
Operating Temperature	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C
Ambient Temperature	-30°C to +250°C	-30°C to +250°C	-30°C to +250°C	-30°C to +250°C	-30°C to +250°C	-196°C to +150°C	-30°C to +150°C	-30°C to +150°C
Protection Class	IP68	IP68	IP68	IP68	IP68	IP65	IP65	IP65
Mounting System	Industry adhesive Epoxy Resin	Industry adhesive Epoxy Resin	Industry adhesive Epoxy Resin	Epoxy Resin	Industry adhesive Epoxy Resin	Industry adhesive Epoxy Resin	Industry adhesive Epoxy Resin	Industry adhesive Epoxy Resin

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Series	PCB tags							
Product	P-M1005	P-M1307	P-M1604	P-M1808	P-M2208	P-M2510	P-M2808	P-M3613
Product Picture								
Dimensions (mm)	10 x 5 x 4.6	13 x 7 x 3	16 x 4 x 2.4	8 x 18 x 2.7	22 x 8 x 2.6	25 x 10 x 2.4	28 x 8 x 2.4	36 x 13 x 2.5
Operating Frequency	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)
Read Range on-metal(2W ERP)	Up to 2.5m	Up to 4m	Up to 4m	Up to 4.5m	Up to 6m	Up to 6m	Up to 5m	Up to 7m
Read Range off-metal(2W ERP)	-	-	-	-	-	-	-	-
IC Type	NXP U8	Alien H9	Impinj M730	Impinj M730	NXP U8	NXP U8	Alien H9	NXP U8
Operating Temperature	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C
Ambient Temperature	-30°C to +150°C	-30°C to +150°C	-30°C to +150°C	-30°C to +150°C	-30°C to +150°C	-30°C to +150°C	-30°C to +150°C	-30°C to +150°C
Protection Class	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65
Mounting System	Industry adhesive Epoxy Resin	Industry adhesive Epoxy Resin Rivet holes	Industry adhesive Epoxy Resin	Industry adhesive Epoxy Resin	Industry adhesive Epoxy Resin Rivet holes	Industry adhesive Epoxy Resin Rivet holes	Industry adhesive Epoxy Resin Rivet holes	Industry adhesive Epoxy Resin

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Series	PCB tags							
Product	P-M5010	P-M5313	P-M6025	P-M6030	P-M7020	P-M8004	P-M2808	P-M3613
Product Picture								
Dimensions (mm)	50 x 10 x 3.8 mm	53 x 13 x 3.6 mm	60 x 25 x 2.1 mm	60 x 30 x 3.2 mm	70 x 20 x 4 mm	80 x 4 x 2.8 mm	80 x 20 x 4 mm	95 x 25 x 3.6 mm
Operating Frequency	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)
Read Range on-metal(2W ERP)	Up to 8m	Up to 9m	Up to 10m	Up to 12m	Up to 12m	Up to 6m	Up to 12m	Up to 12m
Read Range off-metal(2W ERP)	-	-	-	-	-	-	-	-
IC Type	Impinj M781	Alien H9	Alien H9	Alien H9	Alien H9	NXP U8	Impinj M780	NXP U8
Operating Temperature	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C
Ambient Temperature	-30°C to +150°C	-30°C to +150°C	-30°C to +150°C	-30°C to +150°C	-30°C to +150°C	-30°C to +150°C	-30°C to +150°C	-30°C to +150°C
Protection Class	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65
Mounting System	Industry adhesive Epoxy Resin Rivet holes	Industry adhesive Epoxy Resin Rivet holes	Industry adhesive Epoxy Resin Rivet holes	Industry adhesive Epoxy Resin Rivet holes	Industry adhesive Epoxy Resin Rivet holes	Industry adhesive Epoxy Resin Rivet holes	Industry adhesive Epoxy Resin Rivet holes	Industry adhesive Epoxy Resin Rivet holes

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Series	PCB tags							
Product	P-MD4.5	P-MD5	P-MD10	P-MD16	P-MD18	P-MD25	P-MD1211	P-MLED
Product Picture								
Dimensions (mm)	4.5 x4.1 mm	5 x 3.8 mm	10 x 3mm	16 x 3.8,mm	18 x 3.3mm	25 x 3.3 mm	12 x 11 x 3.3 mm	60 x 20 x4 mm
Operating Frequency	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)
Read Range on-metal(2W ERP)	Up to 1.4m	Up to 1m	Up to 2m	Up to 4m	Up to 4m	Up to 5m	Up to 3m	Up to 8m
Read Range off-metal(2W ERP)	-	-	-	-	-	-	-	-
IC Type	Impinj M781	Alien H9/NXP U8	Impinj M4QT	Impinj M4QT	Alien H9	Alien H9	Impinj R6P	KX2005X-BL
Operating Temperature	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C
Ambient Temperature	-30°C to +150°C	-30°C to +150°C	-30°C to +150°C	-30°C to +150°C	-30°C to +150°C	-30°C to +150°C	-30°C to +150°C	-30°C to +150°C
Protection Class	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65
Mounting System	Indstry adhesive Epoxy Resin	Indstry adhesive Epoxy Resin	Indstry adhesive Epoxy Resin	Indstry adhesive Epoxy Resin Rivet holes	Indstry adhesive Epoxy Resin Rivet holes	Indstry adhesive Epoxy Resin Rivet holes	Indstry adhesive Epoxy Resin	Indstry adhesive Epoxy Resin

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PRODUCT GUIDE

Series	Laundry tags							
Product	L-T7515	L-T7512	L-T7015	L-T7010	L-T6610	L-T5815	L-T3618	L-S5512
Product Picture								
Dimensions (mm)	15 x 75 x 1.5	12 x 75 x 1.5	15 x 70 x 1.5	10 x 70 x 1.5	10 x 66 x 1.5	15 x 58 x 1.5	18 x 36 x 1.5	55 x 12 x 2.5
Operating Frequency	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	850-950MHz (Global)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)
Read Range on-metal(2W ERP)	-	-	-	-	-	-	-	-
Read Range off-metal(2W ERP)	Up to 7m	Up to 5.5m	Up to 5.5m	Up to 5m	Up to 3m	Up to 5.5m	Up to 1m	Up to 4m
IC Type	Impinj R6-P	Impinj R6-P	Impinj R6-P	U9	Impinj R6-P	Impinj R6-P	Impinj R6-P	Impinj R6-P
Operating Temperature	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C
Ambient Temperature	-30°C to +180°C	-30°C to +180°C	-30°C to +180°C	-30°C to +180°C	-30°C to +180°C	-30°C to +180°C	-30°C to +180°C	-30°C to +180°C
Protection Class	IP68	IP68	IP68	IP68	IP68	IP68	IP68	IP68
Mounting System	L-T7515S: Sew L-T7515P: Heat-sealing	L-T7512S: Sew L-T7512P: Heat-sealing	L-T7015S: Sew L-T7015P: Heat-sealing	L-T7010S: Sew L-T7010P: Heat-sealing	L-T6610S: Sew L-T6610P: Heat-sealing	L-T5815S: Sew L-T5815P: Heat-sealing	L-T3618S: Sew L-T3618P: Heat-sealing	Sew

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PRODUCT GUIDE

Series	Cable Tie Series					
Product	Z-T Reusable	Z-T28	Z-T32	Z-T5630	Z-T5353	Z-T10530
Product Picture						
Dimensions (mm)	79 x 28 x 282mm	28 x 2.8 x 200mm	32 x 2.8 x 176mm	56 x 30 x 332mm	53 x 53 x 300mm	105 x 30 x 332mm
Operating Frequency	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)
Read Range on-metal(2W ERP)	-	-	-	-	Up to 8m	Up to 8m
Read Range off-metal(2W ERP)	Up to 6m	Up to 1m	Up to 1m	Up to 3m	-	-
IC Type	NXP U9/U8	NXP U9/Alien H3	NXP U9	NXP U9/U8/M730	Impinj M4E	NXP U9/U8
Operating Temperature	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C
Ambient Temperature	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C
Protection Class	IP68	IP68	IP68	IP68	IP68	IP68
Mounting System	Cable tie	Cable tie	Cable tie	Cable tie	Cable tie	Cable tie

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PRODUCT GUIDE

Series	Retail tags					
Product	ROD-Clip	Bag&Shoe Tag	RF EAS	RH EAS	F-L7040	Collar tag
Product Picture						
Dimensions (mm)	74 x 28.7 mm	200 x 40 x 30mm	72.75×30.75×20.75mm	92×28mm	70 x 40 mm	32 x 4 mm
Operating Frequency	866-868MHz (EU) 902-928MHz (US)	13.56KHz/ 860 -960 MHz	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)	13.56KHz/ 860~ 960 MHz
Read Range on-metal(2W ERP)	-	-	-	-	Up to 8m	HF:2-5cm UHF:40cm
Read Range off-metal(2W ERP)	Up to 4m	HF:1-3cm UHF:40-2M	RFID:>12m AM/RF:>1m, for one EAS door system	Up to 8m	-	-
IC Type	NXP Ucode9	ntag 213/NXP U9	NXP U9	NXP U9/U8, Alien H9	Impinj MR6P	NTAG213、F08、I code sli-x、U9
Operating Temperature	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C
Ambient Temperature	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C
Protection Class	IP68	IP68	IP68	IP68	IP56	IP68
Mounting System	Clip	Cable tie	Magnetic buckle	Magnetic buckle	Sew	Collar

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PRODUCT GUIDE

Series	UHF RFID READER Series					
Product	R3700-F Reader	R3800-F Reader	R3900-F Reader	R3104-F Reader	R3108-F Reader	R3116-F Reader
Product Picture						
Air Protocol	EPC global Class 1 Gen 2 ISO18000-6C	EPC global Class 1 Gen 2 ISO18000-6C	EPC global Class 1 Gen 2 ISO18000-6C	EPC global Class 1 Gen 2 ISO18000-6C	EPC global Class 1 Gen 2 ISO18000-6C	EPC global Class 1 Gen 2 ISO18000-6C
Frequency/MHz	902-928MHz FCC 865-868MHz ETSI	902-928MHz FCC 865-868MHz ETSI	902-928MHz FCC 865-868MHz ETSI	902-928MHz FCC 865-868MHz ETSI	902-928MHz FCC 865-868MHz ETSI	902-928MHz FCC 865-868MHz ETSI
Output Power/dBm	0 – 33dBm	0 – 33dBm	0 – 33dBm	0 – 33dBm	0 – 33dBm	0 – 33dBm
Receive Sensitivity*	< -85dBm	< -85dBm	< -85dBm	< -85dBm	< -80dBm	< -80dBm
Reading Rate*	>800 tags/s	>800 tags/s	>800 tags/s	>400 tags/s	>400 tags/s	>400 tags/s
Reader Chip	INDY R2000	INDY R2000	INDY R2000	-	-	-
Tag RSSI	Supported	Supported	Supported	Supported	Supported	Supported
Host Communication	RS-233, TCP/IP	RS-233, TCP/IP	RS-233, TCP/IP	RS-233, TCP/IP	RS-233, TCP/IP	RS-233, TCP/IP
Antenna Port	4	16	8	4	8	16
GPIO	2 input optical coupling 2 output coupling	2 input optical coupling 2 output coupling	2 input optical coupling 2 output coupling	2 input optical coupling 2 output coupling	2 input optical coupling 2 output coupling	2 input optical coupling 2 output coupling

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PRODUCT GUIDE

Series	UHF RFID READER Series					
Product	R190 Reader	R225 Reader	RR445-F Reader	R2600 Reader	RP-GS21100 Reader	RP-GS21200 Reader
Product Picture						
Air Protocol	EPC global Class 1 Gen 2 ISO18000-6C	EPC global Class 1 Gen 2 ISO18000-6C	EPC global Class 1 Gen 2 ISO18000-6C	EPC global Class 1 Gen 2 ISO18000-6C	EPC global Class 1 Gen 2 ISO18000-6C	EPC global Class 1 Gen 2 ISO18000-6C
Frequency/Mhz	902-928MHz FCC 865-868MHz ETSI	902-928MHz FCC 865-868MHz ETSI	902-928MHz FCC 865-868MHz ETSI	902-928MHz FCC 865-868MHz ETSI	902-928MHz FCC 865-868MHz ETSI	902-928MHz FCC 865-868MHz ETSI
Output Power/dBm	0 – 30dBm	0 – 30dBm	0 – 30dBm	0 – 26dBm	0 – 30dBm	0 – 25dBm
Receive Sensitivity *	<-75dBm	<-75dBm	<-75dBm	<-80dBm	<-85dBm	-
Reading Rate *	>400 tags/s	>400 tags/s	>400 tags/s	>10 tags/s	>800 tags/s	>10 tags/s
Reader Chip	-	-	-	-	INDY R2000	-
Tag RSSI	Supported	Supported	Supported	Supported	Supported	-
Host Communication	RS-232 , Wiegand , RS485 , TCP/IP	RS-232 , Wiegand , RS485 , TCP/IP	RS-232 , Wiegand , RS485 , TCP/IP	USB Type B	RS-232	USB Type B
Antenna Port	Antenna inside 8dBi (Circular)	Antenna inside 9dBi (Circular)	Antenna inside 12dBi (Circular)	Antenna inside	1	Antenna inside
GPIO	2 input optical coupling 2 output coupling (option)	2 input optical coupling 2 output coupling (option)	2 input optical coupling 2 output coupling (option)	-	-	-

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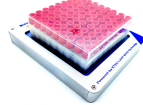
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PRODUCT GUIDE

Series	UHF RFID READER Series			
Product	R6700-H Handheld Reader	R65 Handheld Reader	RD-001 UHF Gate Reader	RB-1010&0909 Positioning Reader
Product Picture				
Air Protocol	EPC global Class 1 Gen 2 ISO18000-6C	EPC global Class 1 Gen 2 ISO18000-6C	EPC global Class 1 Gen 2 ISO18000-6C	EPC global Class 1 Gen 2 ISO18000-6C
Frequency/Mhz	902-928MHz FCC 865-868MHz ETSI	902-928MHz FCC 865-868MHz ETSI	902-928MHz FCC 865-868MHz ETSI	902-928MHz FCC 865-868MHz ETSI
Output Power/dBm	5 – 30dBm	5 – 30dBm	0 – 33dBm	0 – 33dBm
Receive Sensitivity *	<-85dBm	<-85dBm	<-85dBm	<-80dBm
Reading Rate *	>900 tags/s	>900 tags/s	>800 tags/s	>400 tags/s
Reader Chip	Impinj IndyR2000/ Impinj E710	Impinj IndyR2000/ Impinj E710	INDY R2000	-
Tag RSSI	Supported	Supported	Supported	Supported
Host Communication	BT, WIFI, WWAN, GNSS	Bluetooth Low Energy (BLE) 5.0	RS-233, TCP/IP	RS-233
Antenna Port	Antenna inside 4dBi (Circular)	Antenna inside 4dBi (Circular)	Antenna inside 8dBi (Circular)	100 / 81 channel Antenna inside
GPIO	-	-	-	-

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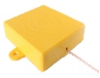



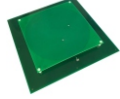


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PRODUCT GUIDE

Series	UHF RFID ANTENNA Series						
Product	RTEC ANT-SW	RTEC ANT-CR	RTEC ANT-XR	RTEC ANT-SW PLUS	RTEC ANT-FX-(0220-8)	RTEC ANT-TX-8	RTEC ANT-FX
Product Picture							
Frequency/Mhz	FCC 902-928 EU 860-875	FCC 902-928 EU 860-875	FCC 902-928 EU 860-875	FCC 902-928 EU 860-875	FCC 902-928	FCC 902-928	FCC 902-928 EU 860-875
Gain/dBi	3	4	5.5	5	8	8	9
S.W.R	<1.3	<1.4	<1.4	<1.4	<1.3	<1.3	<1.4
Bandwidth/Mhz*	100	15	30	30	35	35	40
Impedance/Ω	50	50	50	50	50	50	50
Polarization	Circular	Circular	Circular	Circular	Circular	Circular	Circular
Beamwidth/°	90°	60°	60°	60°	68°	68°	70°
Axial Ratio/Db	<2.0	<2.5	<2.5	-	<3.0	<3.0	-
Dimension/mm	107 x 128 x 29	105 x 105 x 14.5	142 x 132 x 14.5	165 x 165 x 20	217 x 217 x 15	220 x 220 x 24	260 x 260 x 30
Attachment	Rivet hole Magnet	Rivet hole Magnet	Rivet hole Magnet	Rivet hole Magnet	Rivet hole M3	Rivet hole M3.5	Rivet hole Magnet

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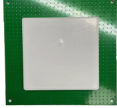
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PRODUCT GUIDE

Series	UHF RFID ANTENNA Series				
Product	RTEC ANT-NF2020 (Near Field)	RTEC ANT-NF2716 (Near Field)	RTEC ANT-NF3030 (Near Field)	RTECANT-PC4040	RTECANT-PC120120
Product Picture					
Frequency/Mhz	FCC 902-928	FCC 902-928	FCC 902-928	FCC 902-928	FCC 902-928
Gain/dBi	-	-	-	3	5.5
S.W.R	<1.3	<1.5	<1.5	<1.3	<1.3
Bandwidth/Mhz*	35	35	35	15	15
Impedance/ Ω	50	50	50	50	50
Polarization	Circular	Circular	Circular	Circular	Circular
Beamwidth/ $^{\circ}$	-	-	-	60 $^{\circ}$	60 $^{\circ}$
Axial Ratio/Db	<3.0	<3.0	<5.0	<2.5	<2.5
Dimension/mm	200 x 200 x 7	270 x 160 x 9	270 x 160 x 9	40 x 40 x 4	120 x 120 x 7.5
Attachment	Rivet hole	Rivet hole	Rivet hole	Rivet hole M2	Rivet hole M3.5

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