









PRODUCT GUIDE

	Rino Series		Ironlabel Series			Element Series		
	RINO	RINO L	IRONLABEL STANDARD	IRONLABEL LITE	IRONLABEL MINI	ATOM	PROTON	BOSON
Product Picture								
Dimensions (mm)	14X38X3.4	15X50X5.5	45X90X1	30X90X1	5X65X1	9X25X3.2	5X10X3.2	5X5X3.2
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 5m	Up to 8m	Up to 7.5m	Up to 6m	Up to 1.5m	Up to 7m	Up to 3m	Up to 2m
Read Range* off-metal (2W ERP)	Up to 2m	Up to 4m	Up to 7.5m	Up to 6m	Up to 1.5m	-	-	-
IC Type	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3
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 +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 +150°C	-30°C to +150°C	-30°C to +150°C
Protection Class	IP54	IP54	IP54	IP54	IP54	IP68	IP68	IP68
Mounting System	Industry grade adhesive	Industry grade adhesive Cable tie	Industry grade adhesive	Industry grade adhesive	Industry grade adhesive	Industry grade adhesive Epoxy Resin	Industry grade adhesive Epoxy Resin	Industry grade adhesive Epoxy Resin
Order Information	RTEC1010301(EU) RTEC1010302(US)	RTEC1020301(EU) RTEC1020302(US)	RTEC3030301(EU) RTEC3030302(US)	RTEC3020301(EU) RTEC3020302(US)	RTEC3010301(EU) RTEC3010302(US)	RTEC2030301(EU) RTEC2030302(US)	RTEC2020301(EU) RTEC2020302(US)	RTEC2010301(EU) RTEC2010302(US)

*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

	Tough Series		Laundry Series			Sen Series		
	PROMASS	R-BOLT	LAUNDRY 3416	LAUNDRY 5510	LAUNDRY 4024	ATOM MAGNUS	PROTON MAGNUS	RS MAGNUS
Product Picture								
Dimensions (mm)	35X35X5	DIN933 M10X16	34X16X2.2	55X10X2.2	40X24X2.2	9X25X3.2	5X10X3.2	4X18X1.8
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 4m	Up to 1.5m	-	-	-	Up to 5m	Up to 2.5m	Up to 1m
Read Range* off-metal (2W ERP)	Up to 4m	-	Up to 2m	Up to 3m	Up to 3m	-	-	-
IC Type	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	RFMicron Magnus S2	RFMicron Magnus S2	RFMicron Magnus S2
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	-40°C to +200°C	-40°C to +200°C	-40°C to +200°C	-30°C to +150°C	-30°C to +150°C	-30°C to +150°C
Protection Class	IP68	IP68	IP68	IP68	IP68	IP68	IP68	IP68
Mounting System	Industry grade adhesive Epoxy Resin Welding or soldering Rivet or screw in	Welding or soldering Screw in	Sewing Heat sealing Super adhesive	Sewing Heat sealing Super adhesive	Sewing Heat sealing Super adhesive	Industry grade adhesive Epoxy Resin	Industry grade adhesive Epoxy Resin	Industry grade adhesive Epoxy Resin
Order Information	RTEC4020301(EU) RTEC4020302(US)	RTEC4010301(EU) RTEC4010302(US)	Contact Sales@rfroid.com	Contact Sales@rfroid.com	Contact Sales@rfroid.com	RTEC2030401(EU) RTEC2030402(US)	RTEC2020401(EU) RTEC2020402(US)	RTEC5010401(EU) RTEC5010402(US)

*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

	Steel Series			
	STEELMINI	STEELCODE		
Product Picture				
Dimensions (mm)	8X13X5.1	13X38X7		
Operating Frequency	866-868MHz (EU) 902-928MHz (US)	866-868MHz (EU) 902-928MHz (US)		
Read Range* on-metal (2W ERP)	Up to 2.8m	Up to 6m		
Read Range* off-metal (2W ERP)	-	-		
IC Type	Alien Higgs 3	Alien Higgs 3		
Operating Temperature	-30°C to +85°C	-30°C to +85°C		
Ambient Temperature	-30°C to +180°C	-30°C to +250°C		
Protection Class	IP68	IP68		
Mounting System	Industry grade adhesive High performance epoxy resin	Rivet hole (3.4 mm) Industry grade adhesive High performance epoxy resin		
Order Information	RTEC7010301(EU) RTEC7010302(US)	RTEC7020301(EU) RTEC7020302(US)		

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