Race Timing Solutions

SIVA IoT

Product Name	Dumbel R6-P	Dogbone R6-P®	Racer	
Product Image				
Description	SIVA's self-adhesive RAIN Foam transponders, printable & programmable for high accuracy race timing.	Smartrac's RAIN Foam transponders printable & programmable for high accuracy race timing.	Ready to apply foam backed race timing tags on marathon bibs, its performance is the same as that of the standard 3mm foam tags regardless of its foam thickness.	

RF Specifications

	Dumbel R6-P	Dogbone R6-P®	Racer	
Frequency Range	Global 860-960MHz	Global 860-960MHz	Global 860-960MHz	
Read Range**	upto 6 m	upto 6 m	ETSI - Upto 5 m FCC - Upto 5 m	
Application Surface Materials	On Number Bibs	On Number Bibs	On Number Bibs	
IC Type*	Impinj Monza R6-P	Impinj Monza R6-P	NXP UCODE 8	Impinj Monza R6-P
Memory Configuration	EPC Size upto 96 bit, 96 bit of Serialized TID with 48 bit Unique Serial Number	EPC Size upto 96 bit, 96 bit of Serialized TID with 48 bit Unique Serial Number	Upto 128 bits	EPC Size of 96 Bits, 96 bits TID with 48 bits Unique serial number

Physical Specifications

	Dumbel R6-P	Dogbone R6-P®	Racer	
Face Stock	Printable Foam	Printable Foam	Printable Foam	
Tag Size	99 x 34.29 x 3 mm	98 x 31.75 x 3 mm	118 x 38.1 x 1.6 mm	
Weight	1.05 g	0.949 g	1.807 g	
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	
IP Rating	IP67	IP67	IP67	
Adhesive	High performance permanent adhesive with excellent bonding	High performance permanent adhesive with excellent bonding	High performance permanent adhesive with excellent bonding	

*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.