
Device Summary Report

1. Conformance

GSRN No. : 950110126000000070
Product Name : Speedway RFID Reader
Trade Mark : N/A
Product ID : IPJ_R1000
Manufacturer : Impinj
Client : Impinj
Standard(s) : EPCglobal Class-1 Generation-2 UHF Protocol V1.0.9. for Communications at 860MHz to 960 MHz and EPCglobal Radio Frequency Identity Protocols Class-1 Generation-2 UHF RFID Conformance Requirements, Version 1.0.3

Reader Features	
Frequency Band	USA
Frequency Range	902 - 928MHz
Modulation Type	PR-ASK
Support FHSS	Yes
Temp Range	0°C to 40°C
Environment	Multiple and Dense

2. Interoperability

Reader

Manufacturer:	IMPINJ
Product Name/Model:	Speedway RFID Reader
Frequency Bands Tested:	862-870 MHz <input type="checkbox"/> 902 – 928 MHz <input checked="" type="checkbox"/> 950 – 956 MHz <input type="checkbox"/>
*Tested Range:	1 meter

* The distance between the reader antenna and tag used for testing

Backscatter Encoding	M	Backscatter Data Rate (kbps)	Tari (µs)			
			6.25 – 12.5	12.5 – 18.75	18.75 – 25	
FM0	1	640 – 320				
		320 -256				
		256 – 160				
		160 – 40				
Subcarrier	2	320 – 128				
		128 – 20				
	4	160 – 64				
		64 – 10			Mod: PR PIE:2:1 DR:64/3 Funct: P **Monza Tag, Monza IC Raflatac G2, UCODE EPC G2 Large Rigid Tag-1T04U004TT001A, Monza IC	
		8	80 – 32			
			32 – 5			

** Tag name, certified IC

Appendix: Keys

DS	DSB-ASK
SS	SSB-ASK
PR	PR-ASK
X:1	PIE ratio

Optional Gen 2 functionality indicated under Funct:

P Access passwords supported

U User memory supported

WT Write-able TID supported