Impinj Reader Chip Portfolio

		E910	E710	E510	E310	R2000	R500
SPECIFICATIONS	Air interface protocol	RAIN RFID / ISO 18000-63 and EPCglobal Gen2v2 compliant					
	Receive sensitivity[1] (dBm)	-94	-88	-82	-75	-84	-68
	Maximum read rate[2] (tags per-second)	1000		700	250	900	190
	Typical power consumption (watts)	0.5				1.5	1.1
	Package type	56-pin QFN				64-pin QFN	
	Package size (mm)	6 x 6				9 x 9	
FEATURES	Self-jammer cancellation	✓	✓	✓	✓	✓	
	Reader modes	12	12	9	5	4	4
	Impinj adaptive tag access	✓	✓	✓	✓		
	RAIN RFID integration	Radio, Modem, MAC, Baluns, and Power Detectors				Radio + Modem	
	Pin- and Software-Compatible	Impinj E910, E710, E510, E310				Impinj R2000, R500	
	Worldwide region support	✓	✓	✓	✓	✓	✓

[1]Sensitivity measured with 10dBm antenna reflection, at chip receive pins, FCC DRM Reader Mode, 99% success rate
[2]Maximum tag read rate measured over the air with a large tag population in a quiet RF environment

Impinj product performance is based on Impinj's modeling and test data, actual results may vary.