

Impinj Reader Chip Portfolio

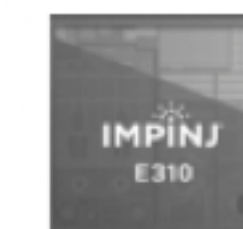
R2000 and R500 are not recommended for new designs.



E710



E510



E310



R2000



R500

		RAIN RFID / ISO 18000-63 and EPCglobal Gen2v2 compliant				
SPECIFICATIONS	Air interface protocol	RAIN RFID / ISO 18000-63 and EPCglobal Gen2v2 compliant				
	Receive sensitivity ¹ (dBm)	-88	-82	-75	-84	-68
	Maximum read rate (tags per-second)	950 ²	550	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	8	7	5	4	4
	Impinj adaptive tag access	✓	✓	✓		
	RAIN RFID integration	Radio, Modem, MAC, Baluns, and Power Detectors			Radio + Modem	
	Pin- and Software-Compatible	E710, E510, E310			R2000, R500	
	Worldwide region support	✓	✓	✓	✓	✓

¹Sensitivity measured with 10dBm antenna reflection, at chip receive pins, FCC DRM RF Mode, 99% success rate

²950 tag per-second RF Mode in Impinj E710 firmware version 1.1