Impinj Reader Chip Portfolio

		E910	E710	E510	E310
SPECIFICATIONS	Air interface protocol	RAIN RFID / ISO 18000-63 and EPCglobal Gen2v2 compliant Supports Impinj Gen2X, an enhancement to the RAIN radio standard[3]			
	Receive sensitivity[1] (dBm)	-103	-98	-93	-84
		3-5 dB improvement with Impinj Gen2X inventory rounds			
	Maximum read rate[2] (tags per-second)	1,100		700	250
	Typical power consumption (watts)	0.5			
	Package type and size (mm)	56-pin QFN, 6 x 6			
FEATURES	Self-jammer cancellation	✓	✓	✓	✓
	Impinj adaptive tag access	✓	✓	✓	✓
	RAIN RFID integration	Radio, Modem, MAC, Baluns, and Power Detectors			
	Worldwide region support	✓	✓	✓	✓
IMPINJ GEN2X	Impinj Gen2X Performance[3]	✓	✓	✓	✓
	Impinj FastID high speed verification[4]	✓	✓	✓	✓
	Impinj Authenticity cryptographic authentication[4]	✓	✓	✓	✓
	Impinj Protected Mode tag data protection[4]	✓	✓	✓	✓

1. Sensitivity measured at the chip Rx pin using the most sensitive reader mode (160 kHz BLF, Miller-8) at 10% PER in ideal conditions
2. Maximum tag read rate measured over the air with a large tag population in a quiet RF environment
3. Available in Impinj E Family SDK v2.1
4. Impinj FastID, Impinj Authenticity, and Impinj Protected Mode are included in Impinj Gen2X Protection

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