

Impinj Fixed Reader Portfolio



R720



R700



R420



R220

SPECIFICATIONS	RAIN RFID/ISO 18000-63, EPCglobal Gen2v2 compliant	✓	✓	✓	✓
	Support for Impinj Gen2X ¹ , an enhancement to the RAIN radio standard	✓	✓		
	Antenna ports	4	4	4	2
	Read zones (max)	32	32	32	16
	Read rate (max per second)	1,100	1,100	1,100	200
	Transmit power (max, dBm)	33	33	32.5	32.5
	Receive sensitivity (dBm) per ISO 18046-2	-93 Up to 5 dB improvement with Impinj Gen2X		-84	-84
	Processor speed (GHz)	1.4 (Quad core)	1 (Dual core)	0.4 (Single core)	0.4 (Single core)
	Random-access memory (MB)	1,024	1,024	256	256
	Custom-application partition (CAP) size (MB)	256	256	32	32
FEATURES	Impinj IoT Device Interface	✓	✓		
	Support for USB peripherals (slots)	3	3	1	1
	General-purpose input/output (GPIO) connector	Integrated	Integrated	Accessory	Accessory
	Gigabit Ethernet network connectivity	✓	✓		
	Power sources	802.3at PoE+	802.3af PoE 802.3at PoE+	All regions: AC-DC adapter All regions except EU2: IEEE 802.3af PoE EU2: IEEE 802.3at PoE+	
IMPINJ GEN2X	Impinj Gen2X Performance	✓	✓		
	Impinj FastID high speed verification ²	✓	✓	✓	✓
	Impinj Authenticity cryptographic authentication ²	✓	✓		
	Impinj Protected Mode tag data protection ²	✓	✓		

1. Impinj R700 series firmware v8.4 adds support for Impinj Gen2X

2. 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.

For a list of supported regions and geographies, please go to: www.impinj.com/supported_regions