

Are high performance and energy efficient RAIN RFID reader modules designed for both handheld and fixed readers applications. It is based on MTI MS710 Dual-Core SiP with the newest gen Impinj E710 die inside.

RFID CHARACTERISTICS & PERFORMANCE

STANDARDS	EPC Gen2/v2, ISO 18000-63	RF OUTPUT POWER	Up to 33 dBm; adjustable in 0.1 dBm steps
CHIPSET	MTI MS710 SiP with Impinj E710 die inside	READ RATE & SENSITIVITY	≥ 1,000 tags/sec, -88 dBm
INPUT POWER	5V 1.4A max	FREQUENCY	860 ~ 930 MHz

CONNECTIVITY

INTERFACE	14-Pin 1.0 mm Pitch FPC	ANTENNA CONNECTOR	MMCX Receptacle, 50 Ω, Mono-Static
PROTOCOL	UART, Baud Rate 921600 bps	I/O	4X GPIO

PHYSICAL & ENVIRONMENT CHARACTERISTICS

DIMENSIONS & WEIGHT	M87P1: 37.5 (W) x 55.5 (L) x 4.3 (H) mm; 13.7 g M87P4: 45 (W) x 70 (L) x 4.3 (H) mm; 21.8 g M87P8: 80 (W) x 75 (L) x 4.3 (H) mm; 32.8 g	OPERATING TEMP.	-20°C to 70°C
		STORAGE TEMP.	-40°C to 85°C
		HUMIDITY	10% ~ 85% non-condensing

REGULATORY

SUPPORTED REGIONS Pre-configured for the following regions:
 US, Canada and other regions following US FCC 47 CFR Ch. 1 Part 15
 Europe and other regions following ETSI EN 302 208-1 (V 2.1.1)
 Australia, Brazil, China, Hong Kong, India, Indonesia, Israel, Japan
 Korea, Malaysia, New Zealand, Peru, Philippines, Russia, Singapore
 South Africa, Taiwan, Thailand, Uruguay, and Vietnam.
 Please contact XEMA for other regions.

