PATRIOT SERIES

LONG AND MID RANGE RFID READERS

Discover superior security and seamless access control with our RFID Patriot Series. Whether it's securing your commercial property, managing gated access, or enhancing operational efficiency…

Our RFID Patriot Series products feature a broad operating frequency, robust/weather-resistant housings, and high compatibility with various communication protocols. Exceptional read ranges cater to various scenarios, while large user storage and real-time processing provide you with the control and adaptability you need. **Each product in the Patriot Series is designed with user experience in mind,** offering features like LED indicators, relay driver output, and software-adjustable parameters to cater to your unique requirements.

Residential and Commercial Solutions

PATRIOT
RFID

Part Numbers:

- PATRIOT-E
- PATRIOT-L
- PATRIOT-MR

Email or Call to Order

Patriot RFID Readers

EMX INDUSTRIES, INC.

	ENHANCED FEATURES	LIMITED FEATURES	COMPACT HOUSING
FEATURES	**PATRIOT E**	**PATRIOT L**	**PATRIOT MR**
TX / RX Frequency	902-928 MHz	902-928 MHz	902-928 MHz
Compatible credentials	UHF EPC Gen2 Tags including Windshield Tags, HangTags, Cards, Headlamps, etc. *(Optional Bluetooth Credentials)*	UHF EPC Gen2 Tags including Windshield Tags, HangTags, Cards, Headlamps, etc. *(Optional Bluetooth Credentials)*	UHF EPC Gen2 Tags including Windshield Tags, HangTags, Cards, Headlamps, etc.
Max RF Power	30dBm (1 Watt)	30dBm (1 Watt)	25 dBm (0.31 Watt)
Average Read Range (site and tag dependent)	18-25 feet	18-25 feet	6-10 feet
Antenna	Circular Polarized 7.5 dBi (Gain)	Linear 10dBi (Gain)	Circular Polarized 4dBi (Gain)
LED Indicator	Yes	Yes	Yes
Buzzer Indicator	Yes	Yes	Yes
Supply Voltage	9-48VDC	9-48VDC	9-30VDC
Included Power Supply	110/240AC to 12VDC	110/240AC to 12VDC	–
Included Mounting Bracket	Yes	Yes	Yes
Max Current	1.82 A max @ 5vDC, 470mA 5vDC in standby (trigger mode)		**Average:** 52mA @ 12V, 18mA @ 24V **Peak:** 160mA @ 12V, 60mA @ 24V
Adjustable read range	Yes	Yes	Yes
Outputs to Controller			
Wiegand	Yes	Yes	Yes
RS-232	Yes	Yes	Yes
Relay Driver Output	Yes	Yes	–
RS-485 / OSDP	Yes	Optional	–
Communication Options for Reader Configuration	RS-232, **Optional:** RJ45 Ethernet Connector, WiFi	RS-232, **Optional:** RJ45 Ethernet Connector, WiFi	RS-232
Reader Capability			
⭐ **Extra Feature**	Ability to Store up to 500 Authorized Tag Numbers *(5 site codes and 100 tags per site)* in reader for access control without a door controller.		–
Tag Read Trigger Input	Yes	Yes	Yes
FCC Approval	Part 15	Part 15	Part 15
Operational Temperature	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C
Size	10.7" x 10.7" x 3.7"	9.45" x 9.45" x 3.82"	5.5" x 1.3" x 3.5"