

# 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



scan here for more information



### EMX Industries, Inc.

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### Part Numbers:

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

**Email or Call to Order**

WARRANTY EMX INC. the product described herein for a period of 2 years under normal use and service from the date of sale to our customer. The product will be free from defects in material and workmanship. This warranty does not cover ordinary wear and tear, abuse, misuse, overloading, altered products, or damage caused by the purchaser from incorrect connections, or lightning damage. There is no warranty of merchantability. There are no warranties expressed, implied or any affirmation of fact or representation which extend beyond the description set forth herein. EMX Inc. sole responsibility and liability, and purchaser's exclusive remedy shall be limited to the repair or replacement at EMX's option of a part or parts not so conforming to the warranty. In no event shall EMX Inc. be liable for damages of any nature, including incidental or consequential damages, including but, not limited to any damages resulting from non-conformity defect in material or workmanship. Rev 3 15/01/2024





## Patriot RFID Readers

<b>ENHANCED FEATURES</b>				<b>LIMITED FEATURES</b>	<b>COMPACT HOUSING</b>
<b>FEATURES</b>	<b>PATRIOT E</b>	<b>PATRIOT L</b>	<b>PATRIOT MR</b>	<b>Outputs to Controller</b>	
<b>TX / RX Frequency</b>	902-928 MHz	902-928 MHz	902-928 MHz	Wiegand	Yes
 <b>Compatible credentials</b>	UHF EPC Gen2 Tags, including EMX; also compatible with Infinity RFID, Nedap, and Rosslare formatted tags.	UHF EPC Gen2 Tags, including EMX; also compatible with Infinity RFID, Nedap, and Rosslare formatted tags.	UHF EPC Gen2 Tags, Including EMX	RS-232	Yes
<b>Max RF Power</b>	30dBm (1 Watt)	30dBm (1 Watt)	25 dBm (0.31 Watt)	RS-232	Yes
<b>Average Read Range (site and tag dependent)</b>	18-25 feet	18-25 feet	6-10 feet	RS-232	Yes
<b>Antenna</b>	Circular Polarized 7.5 dBi (Gain)	Linear 10dBi (Gain)	Circular Polarized 4dBi (Gain)	RS-232	Yes
<b>LED Indicator</b>	Yes	Yes	Yes	RS-232	Yes
<b>Buzzer Indicator</b>	Yes	Yes	Yes	RS-232	Yes
<b>Supply Voltage</b>	9-48VDC	9-48VDC	9-30VDC	RS-232	Yes
<b>Included Power Supply</b>	110/240AC to 12VDC	110/240AC to 12VDC	—	RS-232	Yes
<b>Included Mounting Bracket</b>	Yes	Yes	Yes	RS-232	Yes
<b>Max Current</b>	1.82 A max @ 5vDC, 470mA 5vDC in standby (trigger mode)		<b>Average:</b> 52mA @ 12V, 18mA @ 24V <b>Peak:</b> 160mA @ 12V, 60mA @ 24V		
<b>Adjustable read range</b>	Yes	Yes	Yes	RS-232	Yes
<b>Reader Capability</b>					
 <b>Extra Feature</b>	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.			—	
<b>Tag Read Trigger Input</b>	Yes	Yes	Yes	RS-232	Yes
<b>FCC Approval</b>	Part 15	Part 15	Part 15	RS-232	Yes
<b>Operational Temperature</b>	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C	RS-232	Yes
<b>Size</b>	10.7" x 10.7" x 3.7"	9.45" x 9.45" x 3.82"	5.5" x 1.3" x 3.5"	RS-232	Yes



**ASK US ABOUT EMX CUSTOM RFID TAG CREDENTIALS**

*See flip side for ordering information.*