

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



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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

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 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
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	–	–
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"



ASK US ABOUT EMX CUSTOM RFID TAG CREDENTIALS

See flip side for ordering information.