Patriot M

Patriot Series - Long Range Readers

Key Features:

- Read Range: 16′ - 20′
- Supports Multiple Wiegand Bit Formats
- RS232
- LED Indicator
- Buzzer Indicator
- 12-48VDC Input
- Frequency Hopping 902 - 928mHZ

- Detailed Specifications on back

Communication

The Patriot M series supports a variety of communication protocols that includes Wiegand or RS232.

Weather Resistant Housing

This rugged IP65 rated housing is made to withstand even the most demanding weather conditions from -4° to 158° F.

Tech Support

We also offer comprehensive U.S. based tech support that can deliver powerful first contact solutions for all your tech support needs.

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Specifications

Item Details	Patriot M
Operating Frequency	902.75MHz - 927.25MHz
RF Protocol	ISO1800-6B, EPC Class 1, EPC Class 1 GEN 2
Operating Method	Frequency Hopping Spread Spectrum
Antenna	10 dBi Gain, Vertical Polarization
Max RF Power	30 dBm (1 Watt)
Tag ID Modes	Timed Mode and Trigger Mode
Wiegand Timing Parameters	Pulse Width 80µS, Pulse Period 1600µS (factory adjustable)
Wiegand Formats Supported	26, 30,33, 34, 35, and 37-bit
Identify Tag Time	<8ms - Identify single tag
Reading Tag Time	Reads every 8 bytes in less than 5ms
Reading Tag Distance	18' - 20' (distance varies on location)
Communication Interface	Mutiple Wiegand Formats, RS-232
Input	One-way trigger input
Power Supply (suggested)	12vDC to 48vDC, 5vDC @2Amp
Power Consumption (peak)	1.82 A max. @5vDC at 30dBm in time mode. 470mA @5vDC in trigger mode.
Size	Antenna 9.45x6.45x1.65" Back 9.45x6.45x1.65" X 17
Work/Storage Temperature	-4°F to 158°F (-20°C to +70°C) / -40°F to 185°F (-40°C to +85°C)
Operating Humidity	5% to 95% realtive humidity non-condensing
Certifications	FCC Part 15 Subpart C and Canada RSS-210, FCC ID: Y3D-REDS
Working Status Indication	Audible Beeper, Built in LED
Extra Features / Options	None