Patriot E

Patriot Series - Long Range Readers

★USA

Key Features:

- Read Range: 18' - 25'
- RS232, RS485, OSDP
- Supports Multiple Wiegand Bit Formats
- LED Indicator
- Variable 12 to 48VDC Input Voltage
- Frequency Hopping 902 - 928mHZ

- Detailed Specifications on back

Communication

The Patriot E series supports a variety of communication protocols that includes Wiegand, RS232, RS485, OSDP and Relay. (TCP/IP and Wi-Fi optional)

Weather Resistant Housing

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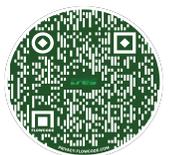
Software Adjustable Features

- dBm levels adjustable
- Controllable LED timing (on/off)
- Controllable buzzer (on/off)
- Buffer timing
- Wiegand timing,
- Controllable relay (on/off)
- Isolate facility codes

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 E
Operating Frequency	902.75MHz - 927.25MHz
RF Protocol	ISO18000-6B, Class1, EPC Class 1 Gen 2
Operating Method	Frequency Hopping Spread Spectrum
Antenna	Internal 7.5dBi circular polarized
Max RF Power	30 dBm (1 Watt)
Tag ID Modes	Timed Mode or Trigger Mode
Wiegand Timing Parameters	Pulse Width 80µS, Pulse Period 1600µS (adjustable)
Wiegand Formats Supported	26, 30, 33, 34, 35 and 37-bit, Peachpass, Alabama Pass
Identify Tag Time	<8ms - Identify single tag
Reading Tag Time	Reads every 8 bytes in less than 5ms
Reading Tag Distance	18' - 25' (distance varies on location)
Communication Interface	Multiple Wiegand Formats, RS232, RS485
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.
Dimensions	8.78x7.87x2.36" 223x200x60mm
Work/Storage Temperature	-4 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	Relay, Tag Filter FC (5) + tag ID's (100) (Optional: TCP/IP, Wi-Fi)

V.5.31