

Patriot L

Patriot Series - Long Range Readers



Key Features:

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

• Detailed Specifications on back

Communication

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

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.

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



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Specifications

| Item Details | Patriot L |
|---------------------------|----------------------------------------------------------------------------------|
| 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 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 |
| 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 | 9.45x9.45x3.125" 240x240x79mm |
| 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% relative 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, RS485, OSDP) |

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