

### Interface with any access control system from any programming environment

Sends standard D0/DI Wiegand signal

Detects open door signal (buzzer, magstripe, or clock/data)

Standard ethernet connection to network

Built-in encryption for secure device communication

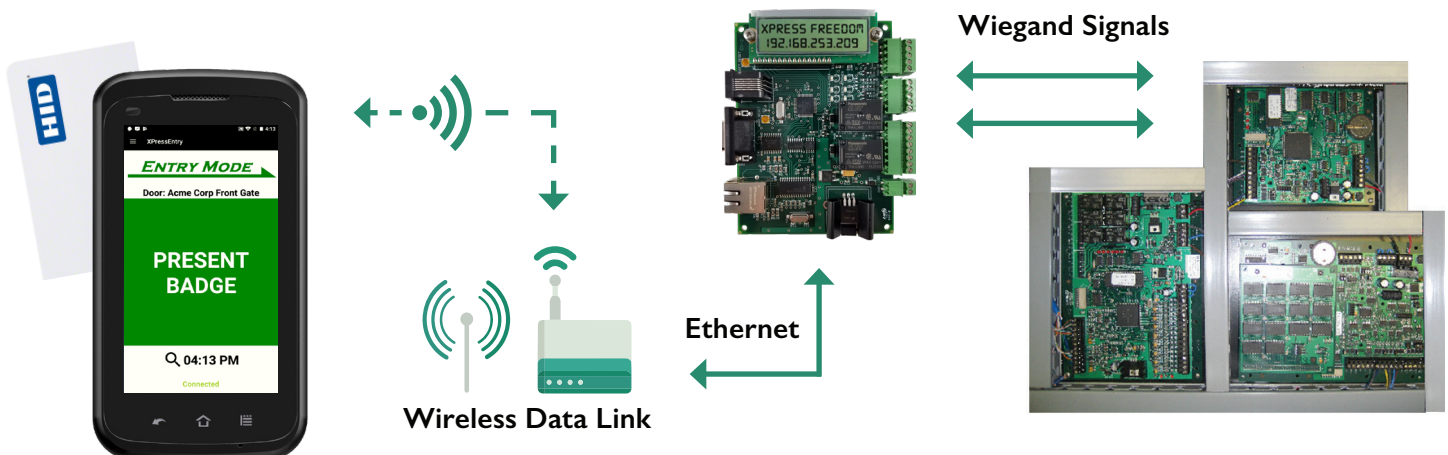
Configurable IP address/port or DHCP enabled

Available SDK allows integration into third party systems



### Standard Use Case

1. Read card with Handheld
2. Handheld wirelessly transmits badge data to XpressFreedom
3. XpressFreedom sends wiegand to access control panel
4. Access control panel returns pass/fail
5. Result is sent back to handheld device
6. Handheld displays result
7. Access is granted/denied by guard



# Specifications

**Physical Dimensions:** OEM bare board measures 4.5" x 4.3" x 0.75", 4.24 oz (0.12kg)

**Power Supply:** DC input: 9-12 VDC, 350 mA

**Operating Temperature:** 32° to 150° F (0° to 65° C)

**Operating Humidity:** 10 to 85% Noncondensing

**Network Connection:** 10BaseT over CAT 5e, RJ45 connector

**Wiegand Cabling:** Two pluggable screw terminal blocks (D0, DI, buzzer, LED, GND)

**Relay Interfaces:** One relay sensor and two 12 VDC power relay (max 5 amps DC)

**Communication Port:** One serial RS232 DB9 port, 19200 baud

**Visual Indicators:** Two line 16 character LCD screen, 6 indicator LEDs

**Server Mode:** Capable of storing 6,400 40-bit badge/card ID's

**Configuration:** Easily configurable with provided configuration utility

## Sample Access Panel Wiring Diagram

