

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

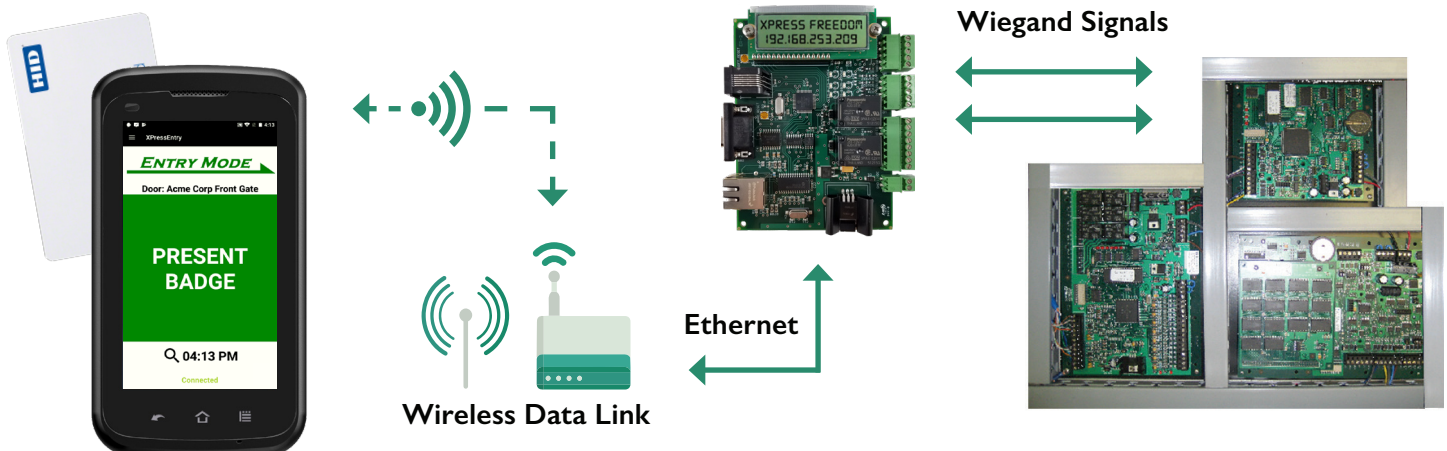
Configurable IP address/port or DHCP enabled

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

