



SECURELINX WIEGAND INTERFACE EXTENDER SYSTEM WIEGAND TO IP PROTOCOL CONVERTOR

WIEGAND INTERFACE EXTENDER SYSTEM PROVIDES CONNECTIVITY TO DIFFICULT TO REACH LOCATIONS AND INCREASES THE LIFE OF EXISTING WIEGAND ACCESS CONTROL

WIEGAND INTERFACE EXTENDER

SECURELINX™ WIEGAND EXTENDER PRODUCT ADVANTAGE

The SecureLINX Wiegand Interface Extender system is designed to connect Access Control Card Readers, Door Locks, Gates and other remote devices which support the Wiegand protocol to a Panel or other Host computer at another location when it is not feasible to run cable.

TECHNICAL SOLUTION OVERVIEW

There are two devices which makeup the solution; the Remote unit and Central unit. The Card Reader or other remote device is connected to the SecureLINX Remote unit. The Remote unit converts the data from a proprietary Wiegand data stream to a TCP/IP packet delivery protocol. It is connected to a SecureLINX Wireless Access Point/Client where it is then transmitted wirelessly to the intended destination. At that destination, the SecureLINX Wireless Access Point/Client is connected to the Central unit. The data is then converted back to the proprietary Wiegand data stream and connected to the Panel or Host computer.

The Wiegand Extender system can connect to a SecureLINX SL-IAP-X-2E, SL-IAP-X-5E (Integrated Access Point), SL-WPLT-X-2E, SL-WPLT-X-5E (Wireless Platform) or any other SecureLINX Wireless Access Point/Client system with an available Ethernet PoE Switch port.

The extender units can also be used in a stand-alone mode, not requiring the wireless component, when an existing network is already in place.

SECURITY

When connected to a SECURELINX™ Wireless network, the network incorporates significant security measures for the privacy of the data. They feature WEP 64/128, WPA1, WPA2 encryption and ACL between nodes. MAC and IP level authentication is also supported.

SECURELINX™ nodes also support VLAN's enabling the same physical infrastructure to have segmented traffic with secure Access Control.

RELIABLE CONNECTIONS

The SECURELINX™ platform is a proven and reliable product that securely handles concurrent video, voice and data applications.

AUXILIARY RELAY CONNECTIONS

Each unit includes relay connections to operate a Door Strike, Gate, or other locking hardware. Up to 4 Relays are supported on each Remote unit.

HIGHLIGHTS

-  CONNECTS REMOTE READERS/GATES/DOORS
-  READS BADGE DATA FROM MOST READERS
-  SUPPORTS WIRELESS AND WIRED NETWORKS
-  FIELD CONFIGURABLE READER FORMATS
-  SECURE CONNECTION
-  MULTIFUNCTION STATUS INDICATORS
-  DOOR STRIKE, GATE AND LOCKING H/W RELAYS
-  SUPPORTS 7 EXPANSION MODULES PER LINK
-  CAN POWER READER (ADJUSTABLE 6-50VDC)

POE POWERED AND CAN POWER READER

When connected to a SecureLINX Wireless unit with an available PoE Ethernet port, the system will receive it's power and can provide power to the reader at the appropriate voltage from 6-50VDC. This minimizes installation time, decreases potential points of failure and increases project profitability.

EASY INSTALLATION

Each unit includes pluggable connectors for easy and time saving installation and maintenance. Multifunction LED status indicators are available to indicated Remote and Central unit communication and troubleshooting assistance.



SecureLINX Wiegand Interface Extender Specifications

PHYSICAL

Enclosure	NEMA 6 Rated Waterproof Die-Cast Aluminum - 10" x 7.1" x 2.25" - 40 oz.
Network Interface	Weatherized 10/100 Base-T Ethernet (RJ45) port (Fully Supervised)
Connection	Liquid-Tite Connector. Pluggable connectors w/ Screw down terminals
Mounting	Mounting bracket for 1'-2" pole or wall
Data I/O Interface	Reader: Wiegand, MagStripe, F/2F, LED - 0 - 30V (Field Configurable)
Relays	Max Switching: 220VDC 30W (Res.) 1A - 250VAC 37.5VA 1A Running Spec/load: 30VDC 1A (Res) 1 x 105 operations at 20°C 125VAC .3A (Res) 1 x 105 operations at 20°C
LED Indicators	Diagnostic LED - Central and Remote Units Communication & Power
Expansion	Up to 7 expansion modules can be added per Remote unit

ENVIRONMENT

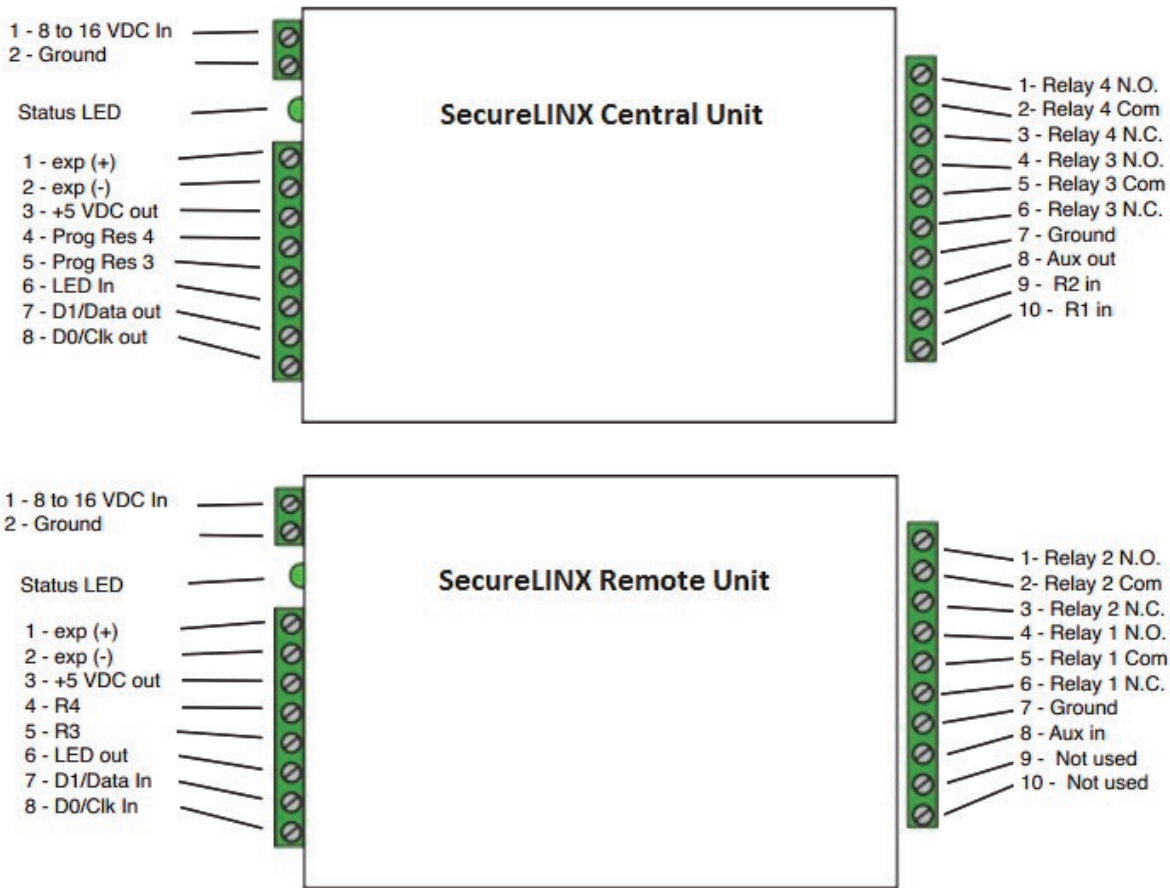
Temperature Range	-40°C to 80°C
Humidity	95% non-condensing
Regulatory Certifications	FCC Part 15, RoHS

POWER

Power Method	Power over Ethernet (PoE) from SecureLINX AP (Typical) or Direct from power supply
DC Power Input	8-16VDC @ 500mA max
Power Connector	Weatherized 10/100 Base-T Ethernet (RJ45) port
Power Consumption	4-8W
PoE Cat5 Max Cable Length	100 meters on 24 AWG STP Cat5 Cable
Optional Reader Power	6-50VDC - Preconfigured at Factory

SECURITY/NETWORK FEATURES (When connected to a SecureLINX Wireless Device)

Modes	Quiet and Setup
Authentication	MAC and IP level
VLAN	VLAN (802.1Q) Support



ONE YEAR PARTS & LABOR WARRANTY

SL-WIE-Rev: 4713



AUBURN, CA USA 95602 TEL: +1 (530) 887-8300 TOLL FREE: (888) 415-9633 FAX: +1 (530) 889.1255
www.ascendancewireless.com sales@ascendancewireless.com support@ascendancewireless.com

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