LNL-500W
Lenel Wireless Reader Interface Gateway

Overview

The Lenel Wireless Reader Interface Gateway module provides an innovative solution to interface with Wireless products from Schlage. The gateway provides the link from the Lenel Intelligent System Controller (ISC) to the Panel Interface Module (PIM-485-OTD) Wireless receiver. This configuration will support up to 16 Schlage Wireless reader products per gateway.

The PIM-485-OTD operates in the 900 MHz license-free band, allowing rapid, no-hassle deployment. Installation time for a standard secured entry point that requires a door contact, Request to Exit switch, reader and door strike is reduced by as much as 40%. The 900 MHz spread spectrum delivery model has been extensively tested to ensure that communications are ultra-reliable. Using this wireless configuration, communicating between OnGuard and the Schlage Wireless readers is both simple and dependable.

The gateway can communicate at 38.4 Kbps via RS-485 multidropped configuration to the ISC. The gateway has two downstream RS-485 2 wire ports. Port 3 supports one PIM-485-OTD receiver, which in turn supports up to 16 uniquely addressed Schlage Wireless reader products. The gateway can be installed up to 4000 feet away from the PIM-485-OTD. This configuration is supported for all ISCs: LNL-500, LNL-1000 and LNL-2000.
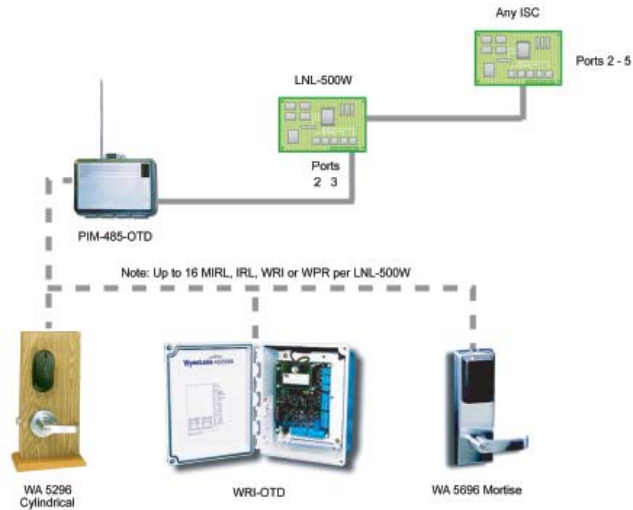
Features and Functionality

■ Host and downstream communications - 38.4 Kbps, 2 wire RS-485 multidropped communications
■ 12 VDC or 12 VAC input power @ 250 mA or 400 mA
■ Supports up to 16 Schlage Wireless readers
■ Supported Schlage Wireless readers include:
  • WA 5296 Wireless Cylindrical Lock
  • WA 5696 Wireless Mortise Lock
  • WA 5694 Wireless Mortise Lock with 1" Autobolt
  • WA 993 Wireless Exit Kit
  • WRI (Wireless Reader Interface)
  • WPR (Wireless Portable Reader)
■ Flash memory for real-time program updates
■ Status LEDs for heartbeat, upstream and downstream communications
■ Two dedicated inputs for Cabinet Tamper and Power Failure status
■ Onboard RS-485 termination jumpers
■ Easy to configure dip switches for address and communication speeds
■ Onboard program configuration and clock battery backup
■ CE marked and UL-294 listed

RoHS compliant

c(UL)us LISTED

CE

LENEL
A UTC Fire & Security Company

Schlage Wireless
OnGuard Integration
for PIM-485-OTD

Reader Options

LNL-500W	Lenel Wireless Reader Interface Gateway - 12 VDC or 12 VAC, (5 year lithium battery) 512KB standard memory, support for a maximum of 16 Wireless readers per interface. Requires OnGuard software version 5.10.4xx or later

Power Supplies & Enclosures

LNL-AL400ULX	Lenel UL Listed 4 A, 110 VAC Power Supply - 12 VDC or 24 VDC 4 A output (switch selectable), 120 VAC input, continuous supply current with enclosure (12 x 16 x 4.5 in.), lock and open frame transformer, tamper switch, UPS capable (battery optional), UL approved
LNL-AL600ULX-4CB6	Lenel UL Listed Power Supply - 12 VDC or 24 VDC 6 A output (switch selectable), 120 VAC (1.6 amps) input, continuous supply current with enclosure (18 x 24 x 4.5 in.), lock and open frame transformer, tamper switch, UPS capable (battery optional), UL approved
ABT-12	Battery Kit - 12 VDC, 12 AH battery (PS-12120)

Specifications

Primary Power (DC or AC)	* The LNL-500W is designed for use in low voltage, power limited, class 2 circuits only.
DC input:	12 VDC ± 15%. 250 mA
AC input:	12 VAC ± 15%. 400 mA RMS
Memory and Clock backup	3 V lithium, type BR2325
Environmental	
Temperature	Operating: 0° to +70° C (32° to 158° F)
	Storage: -55° to +85° C (-67° to 185° F)
Humidity	0 to 95% RHNC
Mechanical	
Dimensions	6 x 5 x 1 in. (152 x 127 x 25 mm)
Weight	8 oz. (230 g) nominal
Approvals	CE marked and UL-294 listed
Supported Readers	Schlage Wireless - WA 5296, WA 5696, WA 5694, WA 993, WRI, WPR

Lenel

A UTC Fire & Security Company