BEYOND SECURITY KABA

Keyscan CA150WLKT

Wireless lock solutions for Keyscan Access Control Systems

PIM400-485 CA150WL

Installs up to eight wireless locks on a Keyscan Aurora system

The CA150WLKT is a combination product that features a CA150WL access control unit from Keyscan and a PIM400-485 wireless lock interface from Allegion. Together, they allow integration with up to eight (8) Allegion AD400 series wireless locks on a Keyscan access control system running Keyscan Aurora software.

CA150WL Access Control Unit

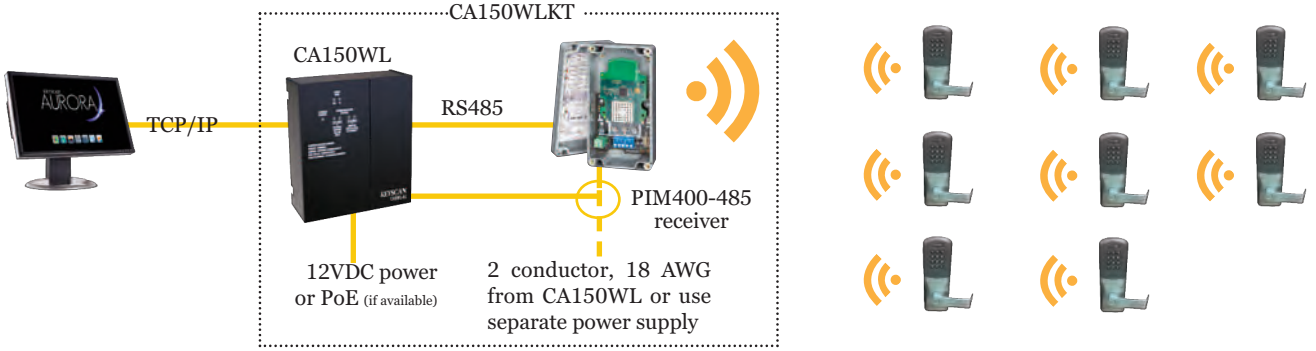
The CA150WL is Keyscan's PoE equipped access control unit designed for this wireless application. This ACU interface receives and authenticates credential data transmitted from the PIM400-485 and responds with access granted or denied based on the permissions criteria set in Keyscan Aurora access control software. A condensed size unit, the CA150WL can be installed virtually anywhere. It is easily connected to your LAN/WAN network and can be powered using PoE (where available). If PoE is not available a 12VDC input option is provided.

PIM400-485 Wireless Interface Module

The PIM400-485 is a wireless lock interface from Allegion. It receives signal data from up to 8 AD400 series lock sets and transmits signal data to Keyscan's CA150WL controller via RS-485. Its features include a powerful 900 MHz spread spectrum technology that enables high transmission power in a license-free band, an error detection algorithm that maintains data integrity on each transmission, a "heartbeat" supervision signal to ensure reliable RF communication is maintained, and Dynamic channel switching to overcome harsh RF environments by automatically changing channels to avoid potential interference.

For programming AD400 series lock sets, an Allegion HHD is required (not sold by Keyscan).

Eight wireless lock installation using PIM400-485 and CA150WL Control Panel



Features and Benefits:

1 Features both Keyscan CA150WL access control unit and Allegion PIM400485 wireless interface module in one convenient kit.
2 Allows integration with up to 8 Allegion AD400 series wireless lock sets per kit.
3 Functions with Keyscan's renowned Aurora access control management software (ver 1.0.10 or higher).
4 Functions seamlessly as a stand-alone system or within a new or existing Keyscan access control system running Keyscan Aurora software version 1.0.10 or higher.
5 A convenient solution for Allegion AD400 series wireless access control applications.
6 PoE (when available) can supply sufficient power for both CA150WL controller and PIM400-485 interface module.

Specifications:

CA150WL

Dimensions (HxWxD)	7.625" x 6.875" x 1.75" (19.37cm x 17.46cm x 4.45cm)	**Networking**	RS-485; Ethernet (TCP/IP) PoE Cat 5 or 6 (max: 100 m)
Power input	PoE (class 0) or 12 VDC	**Software**	Aurora V 1.0.10 (or higher)
Power output	12VDC (for PIM400-485)	**Housing**	22 GA steel, black powder coat
CA150WL current	170mA to max 200 mA	**Environmental**	32° to 120°F (0° to 49°C)

PIM400-485

Frequency range	902-928 MHz	**Max current requirement**	Up to 250 mA
Transmission/encryption	AES-128 bit key (optional)	**Operating temperature**	-31° to 151°F (-35° to 66°C)
Credential verification	< 1 second (Dependant on ACU panel)	**Operating humidity**	0% to 100% non-condensing
		Dimensions (H x W x D)	6.25" x 3.125" x 2.25" (16cm x 8cm x 5.7cm)
Visual/audible	5 LEDs for status indicators		
System interface	RS-485	**Weight**	1.25 lb (.56 kg)
Power supply	12 VDC or 24 VDC	**Communication range**	Up to 200' w/obstructions Up to 1000' line-of-sight
Voltage range	9.5 VDC to 26 VDC		

PoE considerations:

The CA150WL operates as a Class 0 PoE Powered Device (PD). It requires 15.4 Watts from a PoE switch or injector. Of the 15.4 Watts, it provides 680mA (12 volts - approximately 8 Watts) to power connected peripheral devices such as PIM400-485. Selection of a PoE switch must be based on the Power demand of all of the loads connected to the switch. The PD Class (0-4) for each device connected to the switch must be known and the sum of all loads should not exceed 75% of the total available power.

As loads changed, the total consumption must be re-assessed. Kaba recommends the use of low port count PoE switches, maximum 8 ports, to minimize the impact of a switch failure on the Access Control System and, that all PoE switches be powered using a UPS.

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