

iSOLUS

Wireless Integrated Security Solution



Effectiveness in the Workplace requires a flexible, hassle-free environment, which cannot be achieved by compromising on Security; securing your workplace is same as securing your home. Whether this is achieved through a security guard, code to be entered at the door, or swipe cards to get in, biometric scan, keeping your premises and physical assets under systemized control is a wise choice. Integrated Access control solution from Solus makes it simple with a wireless, web based solution that's both affordable and easy to implement while maintaining reliability, scalability, efficiency without compromising on Security.

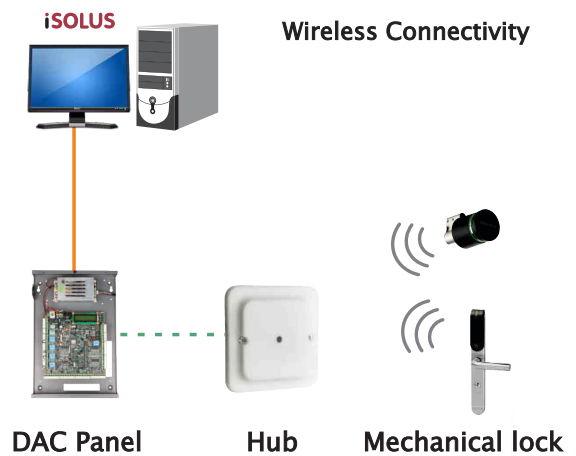
iSOLUS an integrated security management platform which manages security effectively, utilizes web browser interface, and wireless technology, providing Customers with Flexibility to expand their Access Control System to legacy mechanical lock doors.

Wireless technology add another level of functionality connecting wirelessly to a central security management system without the need to modify or replace existing doors. Wireless access control systems share the advantages of easy installation and independent operation, even when a network is unavailable. They also allow end users to monitor intrusions and other system activity in real time, through a centralized security management software platform. Similarly to traditional wired systems, wireless access control systems also allow users to perform other actions remotely from a central location, such as unlocking doors, deleting authorized cards from all doors simultaneously and configuring door open times.

This technology is helpful for organizations who want to extend security systems to cover remote location which cannot be reached using a wired access control system or organization who want to upgrade their security systems with poorly installed cables.

Solus DAC series Access Control Panel have been fully integrated with third party wireless locks to deliver wireless capabilities to our online real time integrated security solutions.

Built on open architecture it provides a convenient way of connecting with Solus access control systems via Rs485 or Wiegand interface. This wireless technology uses a short distance wireless communication protocol combined with RFID reader capabilities and a locking mechanism. The Fully Battery-operated third party cylinders and escutcheons provide RFID-Card reader. The cylinders or escutcheons communicate via an encrypted wireless link to a communication hub that is wired directly to the system.



Application:

- Simple and quick installation
- Supports both solid and frame door with narrow frame
- Offers the same benefits as of a hardwired access control system without the need to modify or replace the existing door
- Cost-effective and adds to the benefit of investments already made



Technical Specifications

E100 RFID reader

Dimensions	312 mm x 41 mm x 10/20 mm
Connection	Wiegand interface, RS-485 or TCP/IP interface with open protocol communication
Battery	Lithium CR123A, 3V
Battery lifetime	Min. 40 000 cycles
Protection of wireless communication	AES 128 bit
RFID technology	Mifare, DesFire, iCLASS and others
Range of operating temperature	0 °C to +60 °C
IP protection	30
Surface treatment	Stainless steel
Handle shape	L, U shape
Spacing	DIN - spacing 72 and 92 mm
LED for visualization of HUB status	red / green / orange
Power supply	9V to 30V DC (30 mA @ 12V DC)
Access authorization in off-line mode	10 card holders

Technical Specifications

C100 RFID reader with cylinder functionality

Cylinder dimensions	Basic dimension 30/30 mm (other dimensions with 5 mm step - max. 70/70 mm)
Modular cylinder Knob dimensions	42 x 36,4 mm (LxØ)
LED information about status	red / green / orange
Connection	Wiegand interface - RS-485 or TCP/IP interface with open protocol communication
Battery	Lithium CR123A, 3V
Battery lifetime	Min. 40 000 cycles
Operating distance HUB / cylinder lock	Up to 5 m (1:1) up to 15 m (1: 8)
RFID technology	Mifare, DesFire, iCLASS and others
Range of operating temperature	0 °C to +60 °C
IP protection	30
Surface treatment	black, coated with rubber stainless steel (optional)
Access authorization in off-line mode	10 card holders



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