

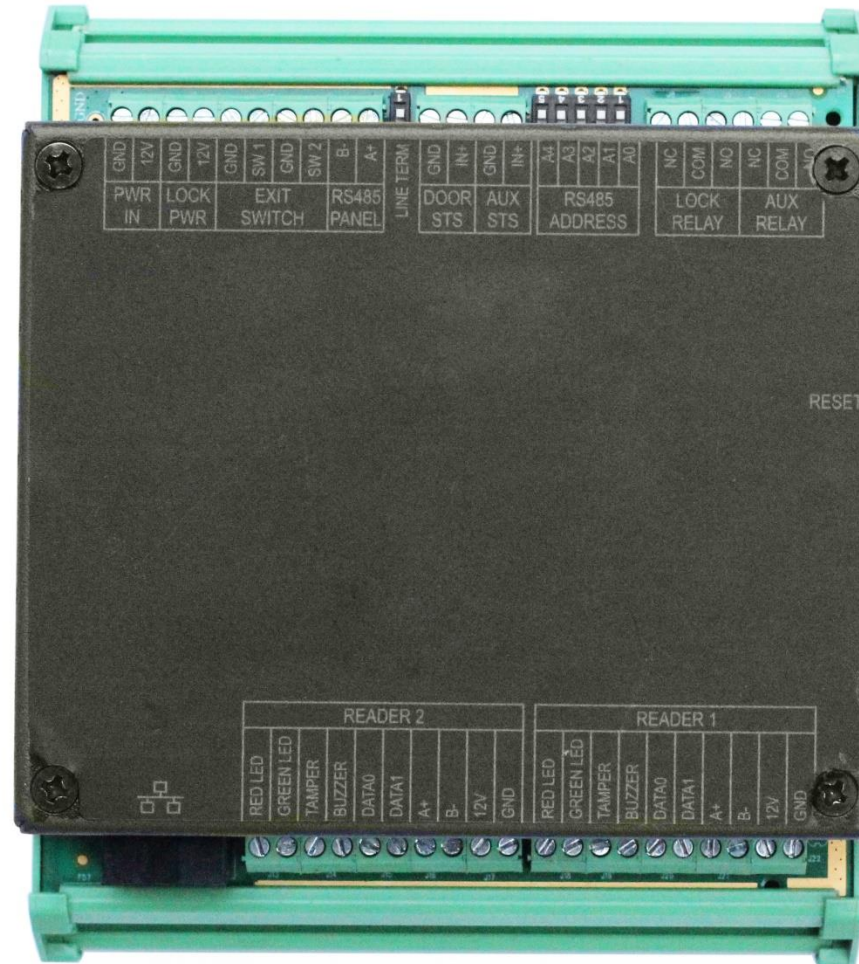


COSEC ARC

IP based Access Control Panel

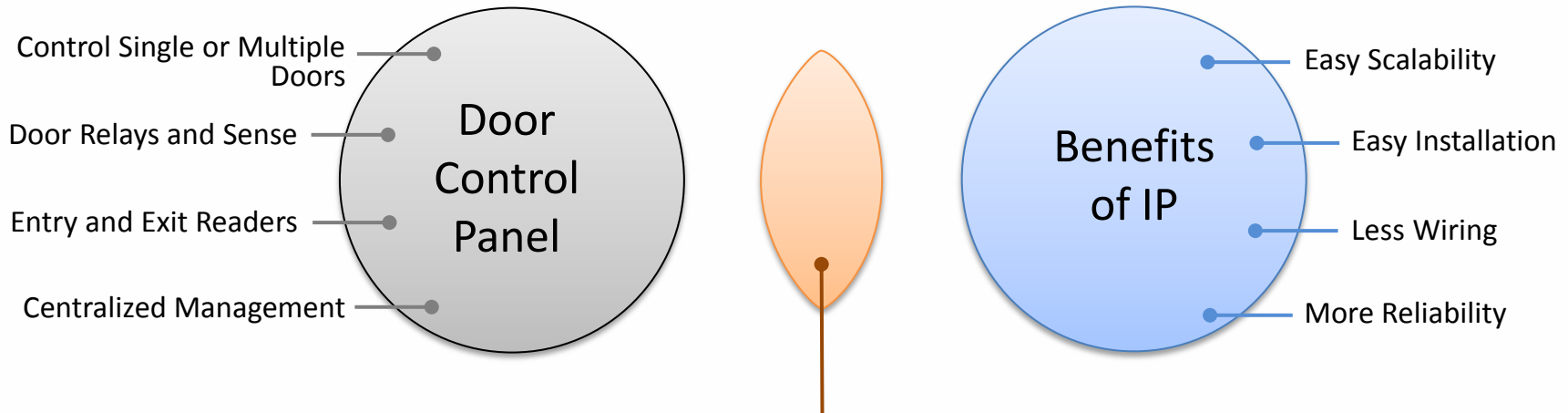
EXPECT MORE.

COSEC ARC



What is ARC?

Bringing the Best of Two Worlds Together



Matrix COSEC ARC: IP based Access Control Panel

- Fully IP+PoE based Access Control Solution
- Control One Door
- Centralized Power to Readers and Locks on PoE
- Support Two Readers

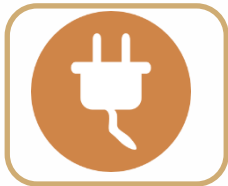
Why One Door Panel?



Enhance Flexibility on Every Door
RFID Wiegand or Biometric Readers



Easy Scalability
COSEC ARC Single Door Compatibility



Centralized Power Supply
To Readers and Lock from PoE



Easy Installation
Above Door or in a Server Room on Din Rail or in a Box



Less Wiring
More Reliability and Reduce Installation Cost

Single Door Vs. Multi Door Panel



Higher Security

Single Door Panel	Multi-Door Panel
Support Biometric Fingerprint, Palm Vein Reader	Uses Traditional RFID Cards
Support Advance Access Control Features	Support Basic Access Control Features
Higher Security	Very Low Security

Single Door Vs. Multi Door Panel



Flexibility

Single Door Panel	Multi-Door Panel
Flexibility to Install Panel above the Door	Panel Must be in a Server Room or at a Common Place
Neat and Clean Wiring with CAT5/6	Centralized Wiring from one Panel to Multiple Readers

Single Door Vs. Multi Door Panel



Reliability

Single Door Panel	Multi-Door Panel
Working of All Doors is Independent	Single Point of Failure
Standard IP based Wiring	Proprietary Multi-Core Wiring Leads to Complexity

Single Door Vs. Multi Door Panel



Eliminate Server Cost

Single Door Panel	Multi-Door Panel
Panel Lite Manages 255 Devices without any Software Installation	Centralized Software is Required to Manage more than Two Panels
Eliminate Server Cost and its Management	Central Server Cost adds to the Solution Cost

Single Door Vs. Multi Door Panel



Scalability

Single Door Panel	Multi-Door Panel
Scalable in the Smallest Factor of one Door	Scalable in Multiplication of 2 Door
Optimize Investment as per Current Requirement	Leads to Additional Investment

- Scalable up to **255** Doors with COSEC PANEL LITE
- Scalable up to **65,000** Doors with COSEC CENTRA

Architecture

Capabilities

Integration

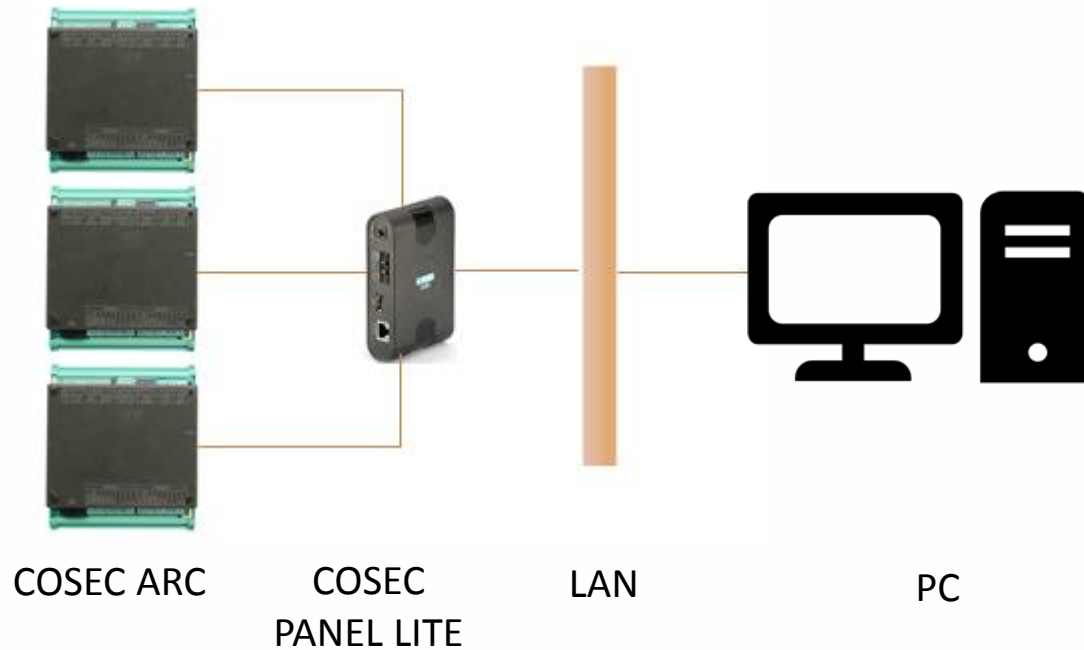
Mounting

Interface

Readers

Standalone mode with COSEC PANEL LITE V2

Network mode with COSEC CENTRA



Architecture

Capabilities

Integration

Mounting

Interface

Readers

Standalone mode with COSEC PANEL LITE V2

Network mode with COSEC CENTRA

- Standalone Operation without Server
- No Additional Software Installation Required
- Access from PANEL LITE GUI

Architecture

Capabilities

Integration

Mounting

Interface

Readers

Standalone mode with COSEC PANEL LITE V2

Network mode with COSEC CENTRA



COSEC ARC



LAN



COSEC CENTRA SERVER

Architecture

Capabilities

Integration

Mounting

Interface

Readers

Standalone mode with COSEC PANEL LITE V2

Network mode with COSEC CENTRA

- Centralized Management with Local Execution
- Connect COSEC CENTRA directly or via COSEC PANEL LITE

Architecture

Capabilities

Integration

Mounting

Interface

Readers



10,000 Users



1,00,000 Transaction Events



2 Readers on Wiegand or RS485



Controls 1 Door

Architecture

Capabilities

Integration

Mounting

Interface

Readers

Types

Hardware

Software

Port

Aux - In

Aux - Out

Ethernet

Devices

- Fire Alarm
- Motion Sensors

- Alarm Devices
- Automation System
- Video Surveillance

- Video Surveillance
- Biometric or RFID

Architecture

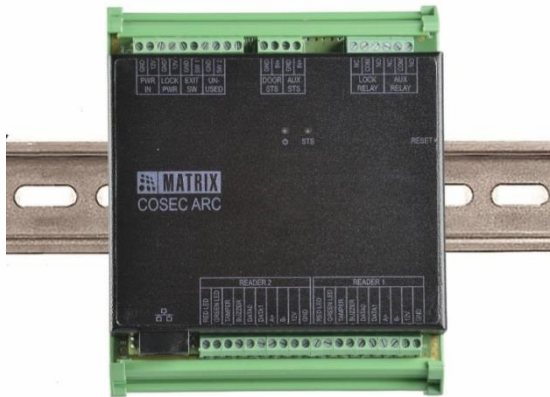
Capabilities

Integration

Mounting

Interface

Readers



How

Din Rail
Mounting

Wall/ Box
Mounting

Where

Server Room,
Above Door

Server Room
and others

Architecture

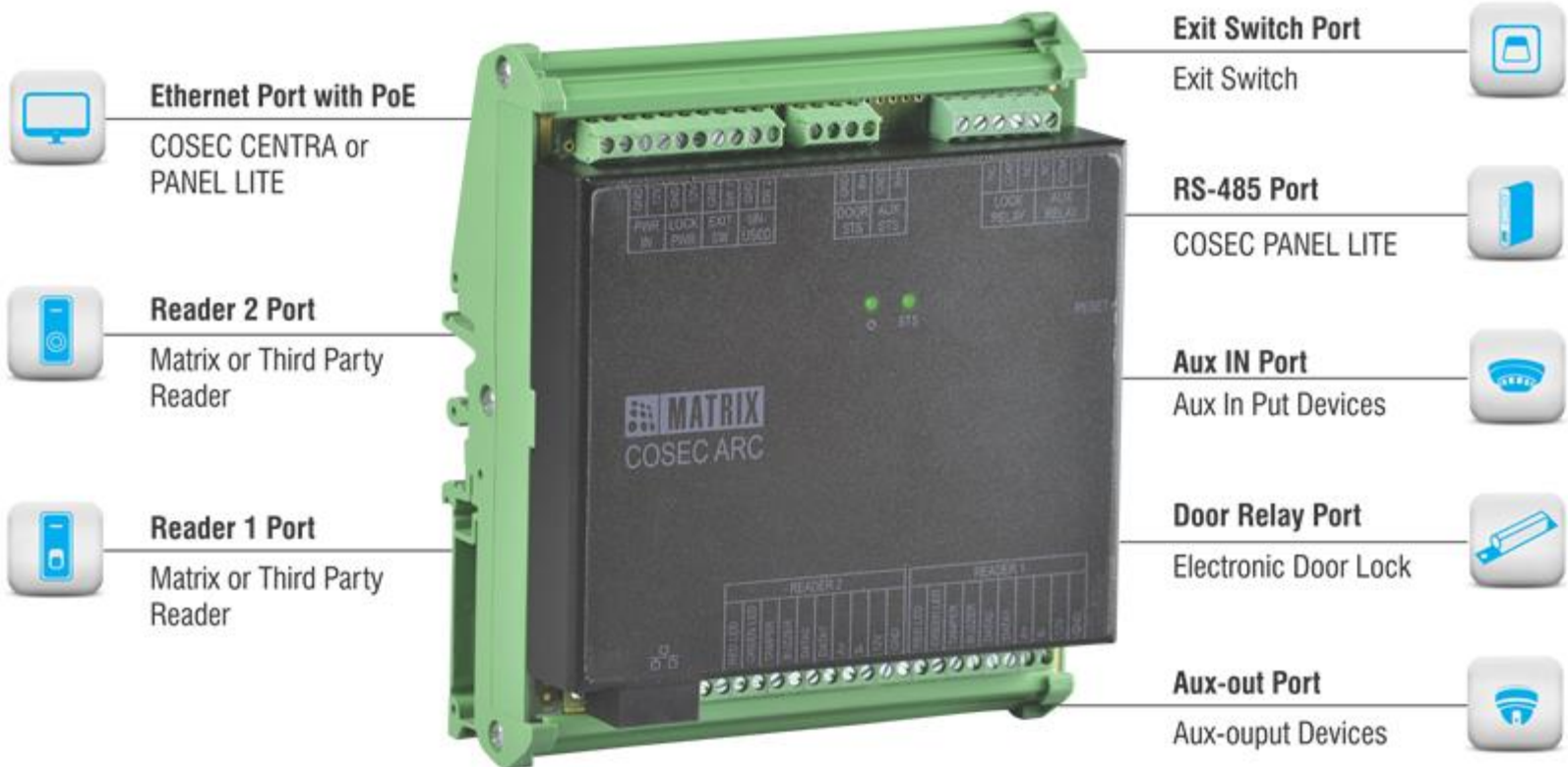
Capabilities

Integration

Mounting

Interface

Readers



Architecture

Capabilities

Integration

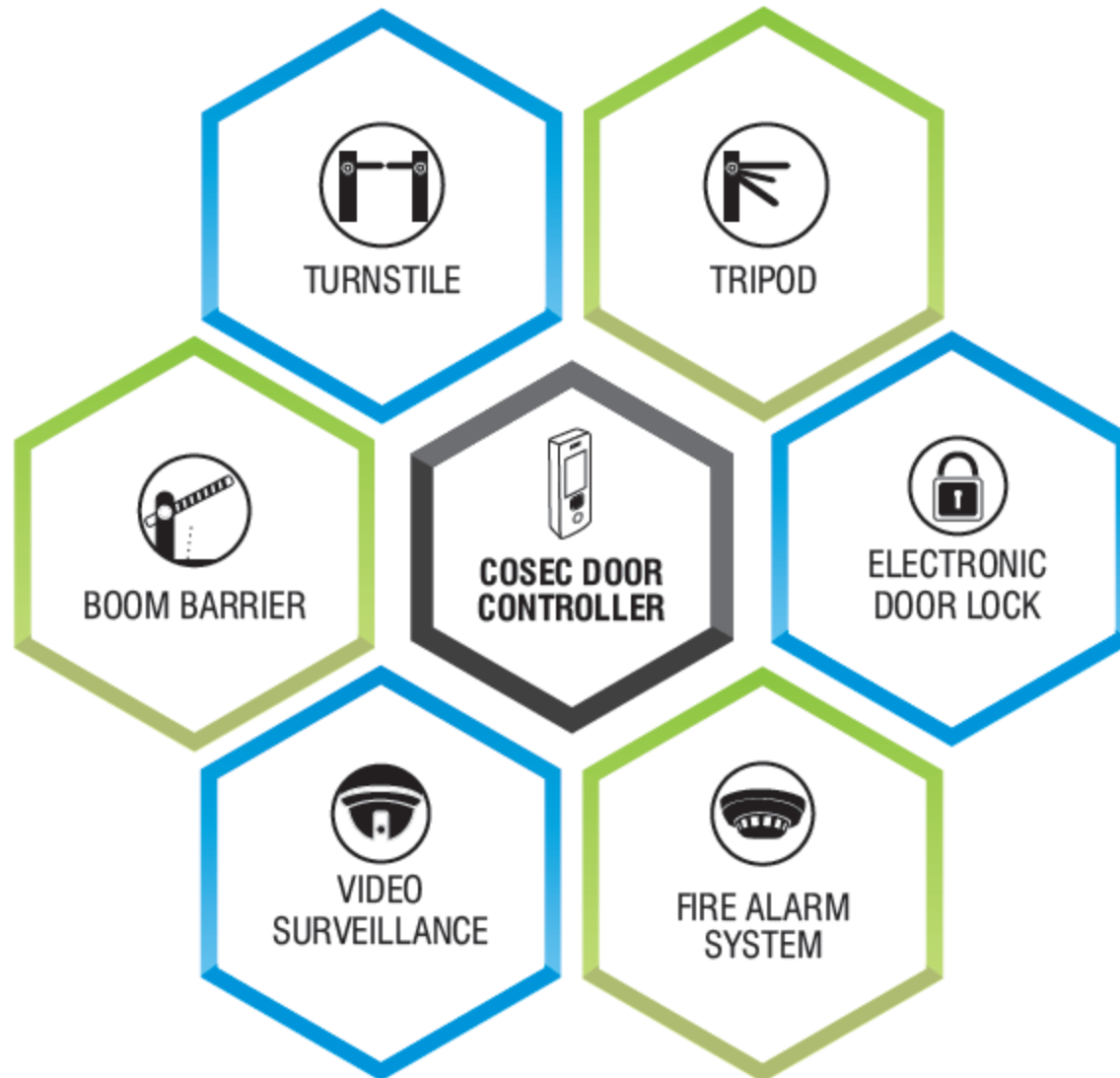
Mounting

Interface

Readers

- Connect up to 2 Readers per ARC PANEL
- Configure as an Entry or an Exit Reader
- Wiegand and/or RS485 Readers
- Biometric Fingerprint or RFID Technology
- Connect 3rd Party Wiegand Readers (EM Prox, Mifare, HID iCLASS, UHF or HID Prox)

Integration with other Hardware



COSEC ARC VARIANTS



COSEC ARC DC100P
With PoE



COSEC ARC DC100S
With RS-485

Technical Specifications



Specifications	COSEC ARC DC100P	COSEC ARC DC100S
Application	Access Control	
Readers	2 Readers per Controller	
Number of Door	1 Door	
Communication	Power over Ethernet with COSEC PANEL or Server	RS-485 with COSEC PANEL
Reader Power	12 VDC at 250ma per Reader	
Reader Interface	Wiegand and RS-485	
Reader Types	2 Reader Ports for any Wiegand or Matrix PATH Reader	
Reader Distance Support	400 meters (on RS-485)/100 meters (on Wiegand)	
CPU	32 Bit Microcontroller	

Technical Specifications (Contd.)



Specifications	COSEC ARC DC100P	COSEC ARC DC100S
Flash Memory	515 KB Internal Flash + 4 MB External Flash	
RAM Memory	131 KB SRAM	
Event Log	1,00,000	
Door Relay	Relay SPDT, Form C, 1A @ 30 VDC	
Door Sense	Programmable NO, NC, Supervised	
Exit Switch Port	Yes	
Auxiliary Input Port	Yes	
Auxiliary Output Port	Form C SPDT Relay Output	
LED Indication	2 LEDs (Allowed, Denied, Alarm and Status)	

Target Customers:



Educational
Institutes



Clubs



Corporate Offices



R & D Labs



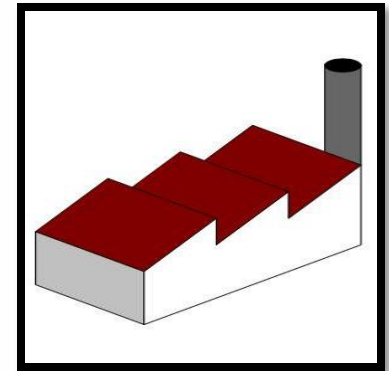
Government
Organizations



Remote Sites



Shopping Malls



Factories

Application

Single Door Access Control Panel for SOHO, SMB, Enterprises

Integration with 3rd Party Readers:



- COSEC ARC allows Flexibility to Integrate 3rd Party Readers on Wiegand or RS-485
- Existing Setup gets Upgraded to Matrix Setup saving End Cost for User



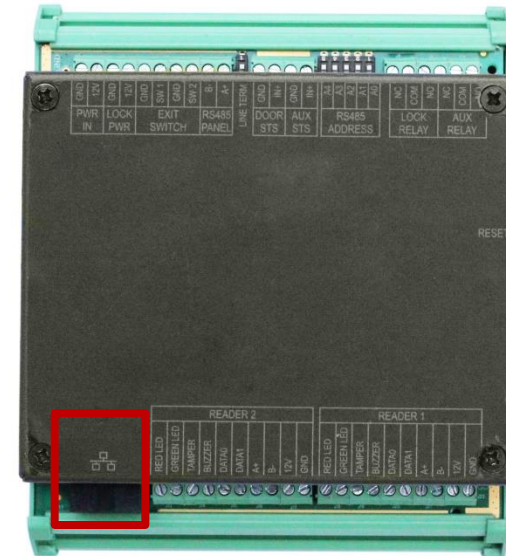
3rd PARTY
READER



MATRIX
BIOMTRIC
READER

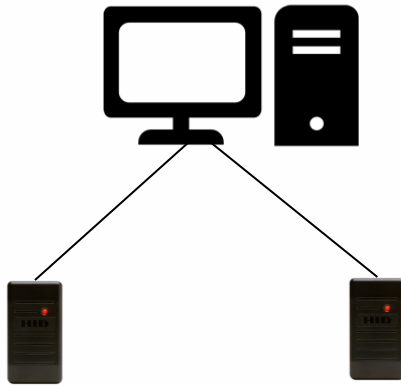
Power on PoE:

- COSEC ARC supports Data and Power over PoE for Readers and Door Lock
- Minimal Cabling Cost
- Failure of the Device becomes NIL as there is no dedicated Power Supply

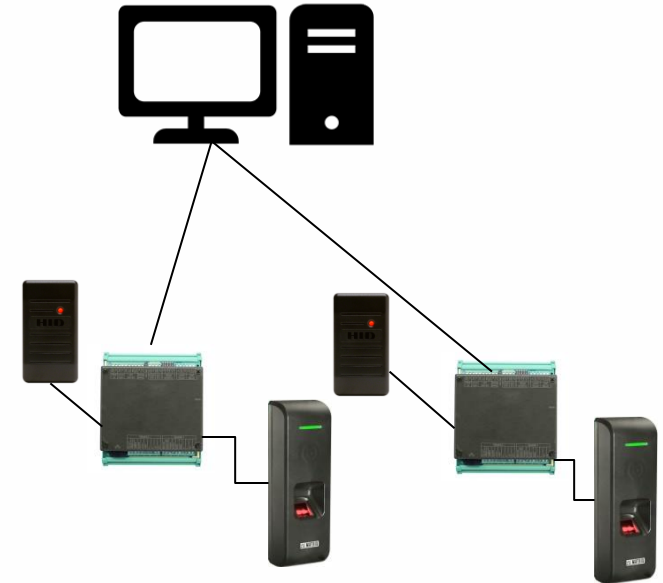


Rol over Existing Setup:

Existing Setup



Integration with COSEC ARC



- Integration of COSEC ARC gets Done with Existing Setup
- This results in Use of Existing Wiring reducing the Overall Cost of Installation
- Moreover, User can make an Easy Shift to Biometrics from Existing RFID Technology

For Further information,
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We put
more
in the box

so your
business
can think
more
out of
the box.



Thank You.