



NUTECH SOLUTIONS

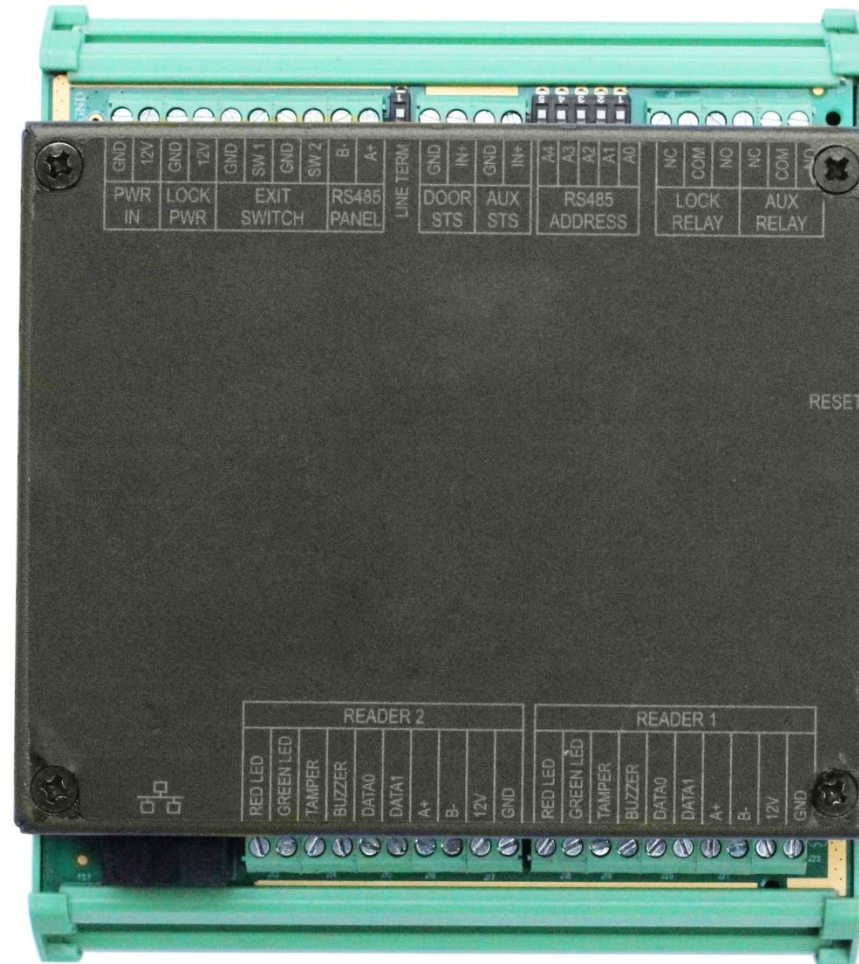


COSEC ARC

IP based Access Control Panel

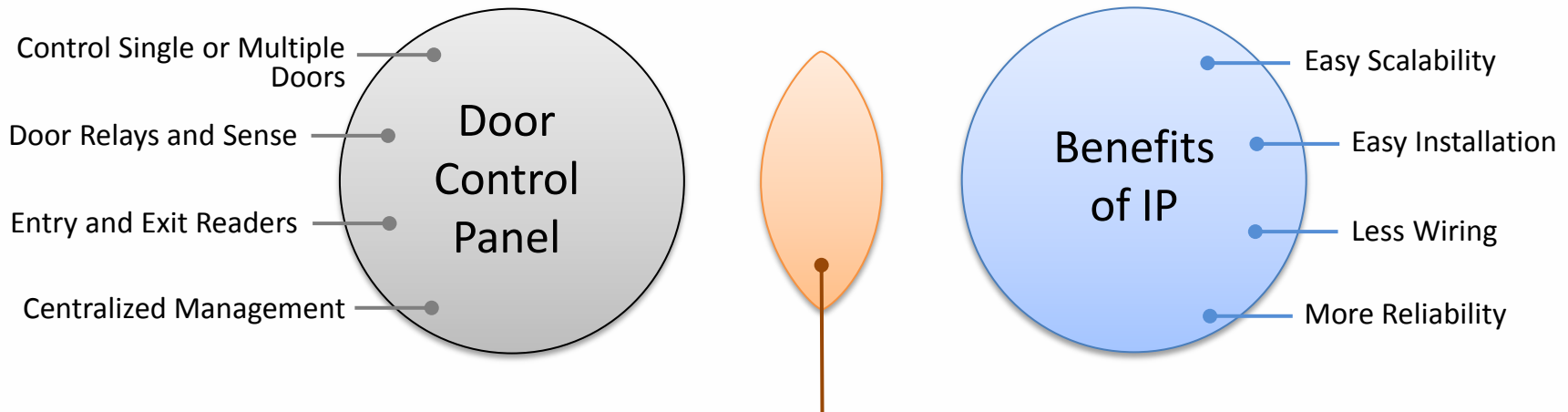
EXPECT MORE.

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

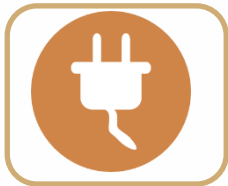
Why One Door Panel?



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

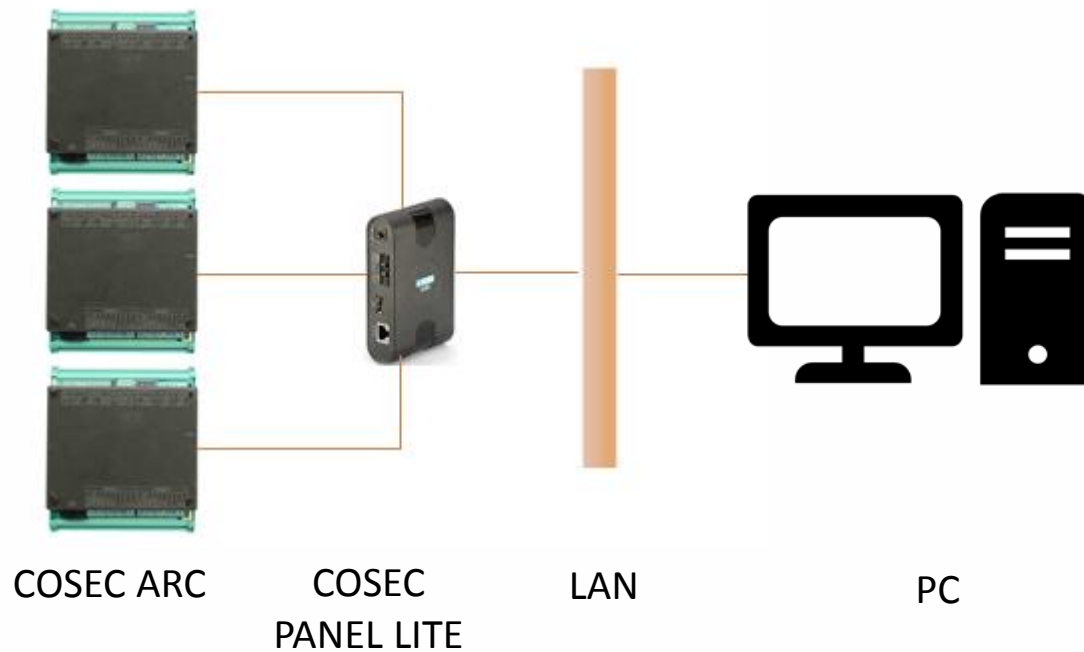
Mounting

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

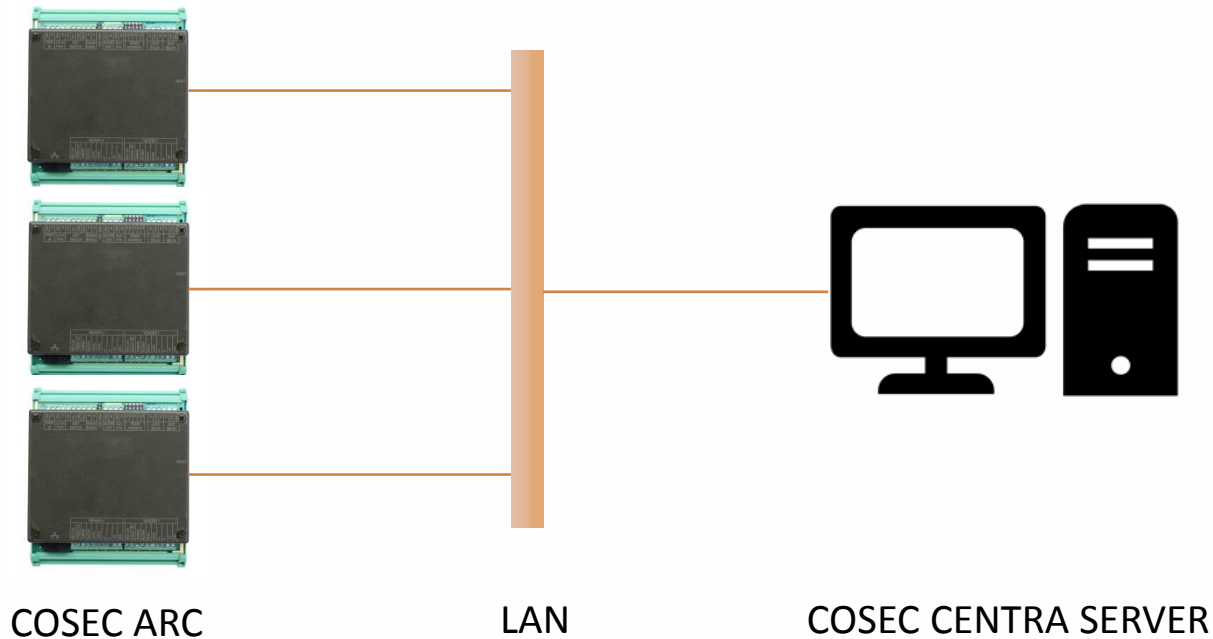
Mounting

Interface

Readers

Standalone mode with COSEC PANEL LITE V2

Network mode with COSEC CENTRA



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

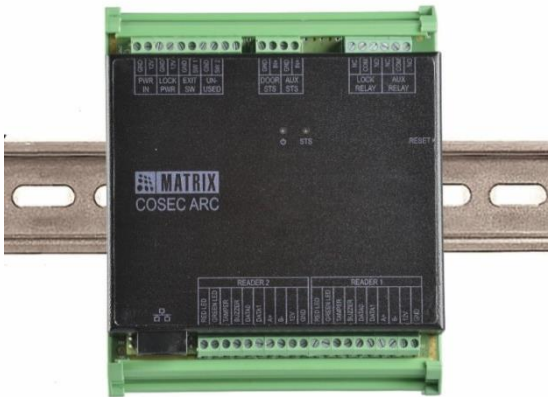
Capabilities

Integration

Mounting

Interface

Readers



How

Din Rail
Mounting

Wall/ Box
Mounting

Where

Server Room,
Above Door

Server Room
and others

Architecture

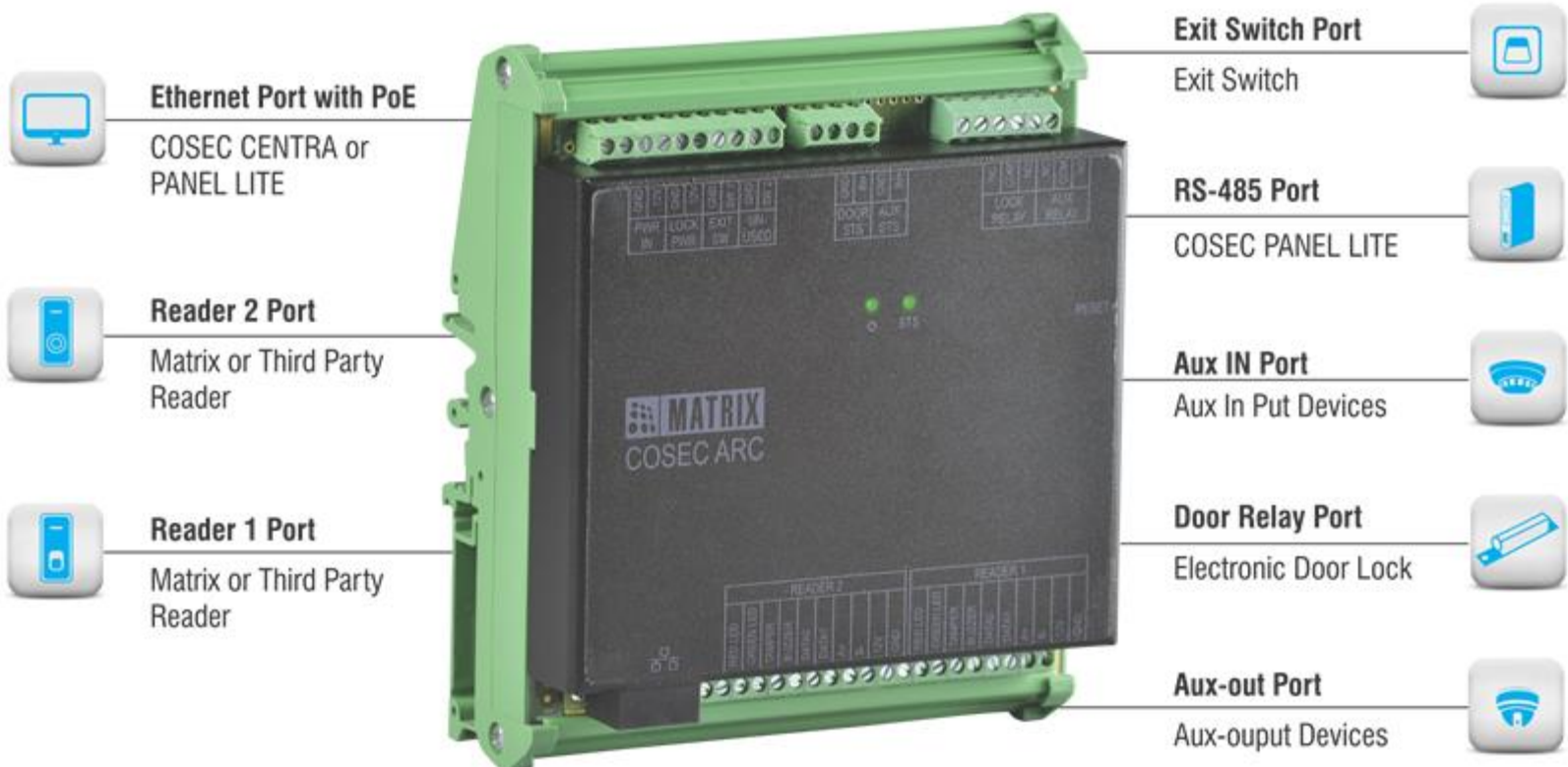
Capabilities

Integration

Mounting

Interface

Readers



Architecture

Capabilities

Integration

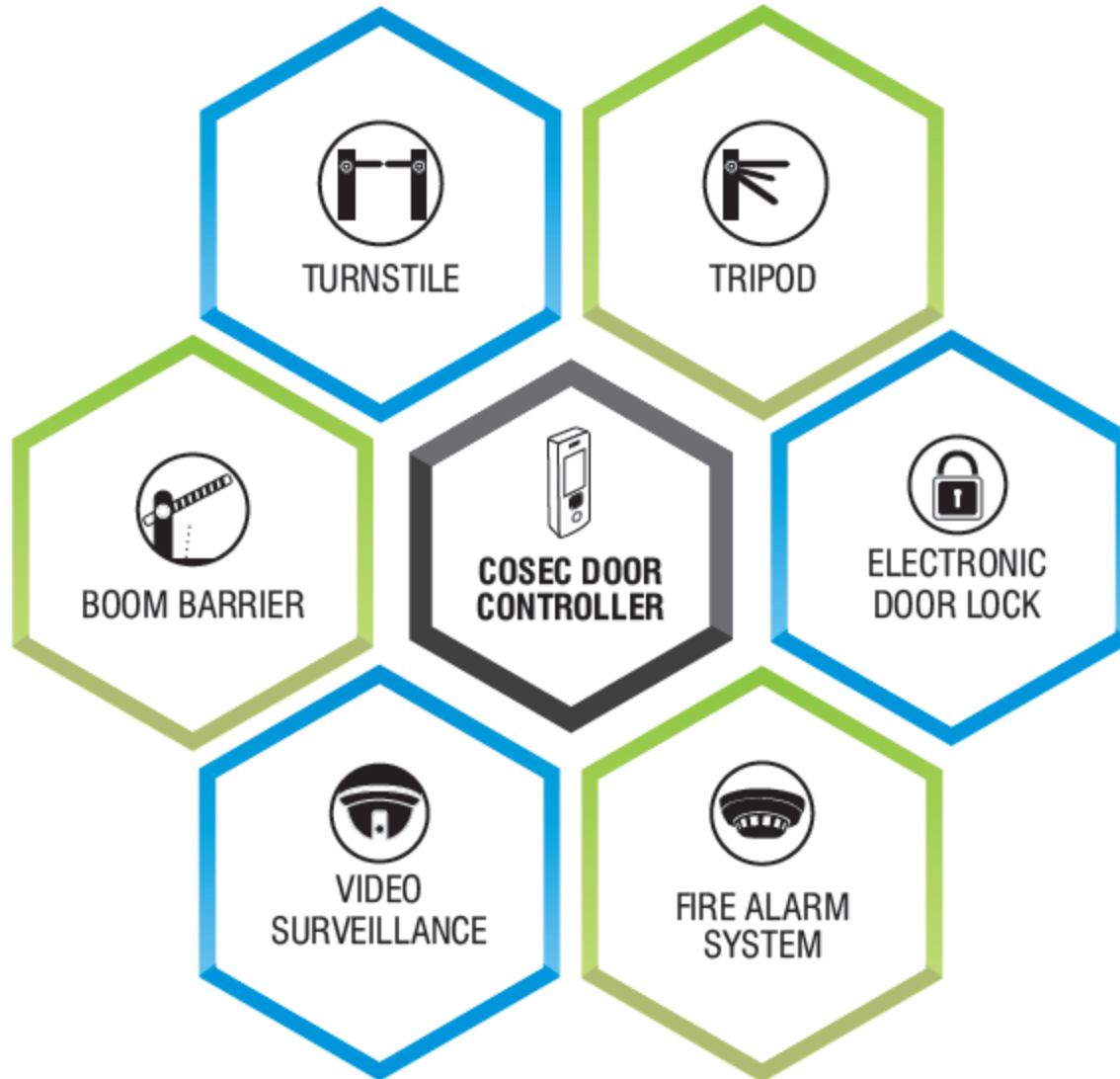
Mounting

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



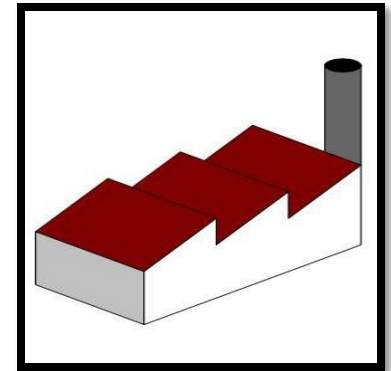
Government
Organizations



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

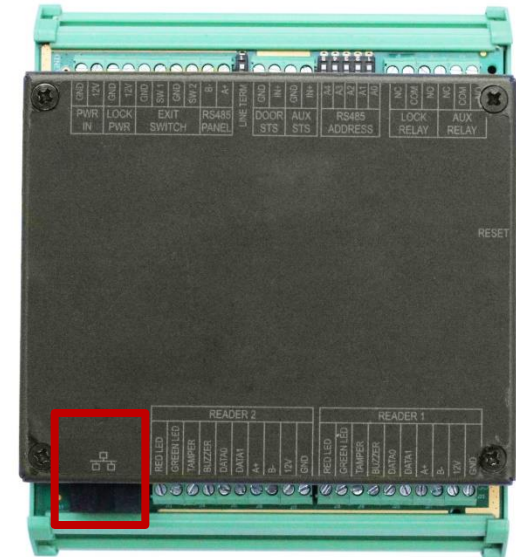


3rd PARTY
READER

MATRIX
BIOMETRIC
READER

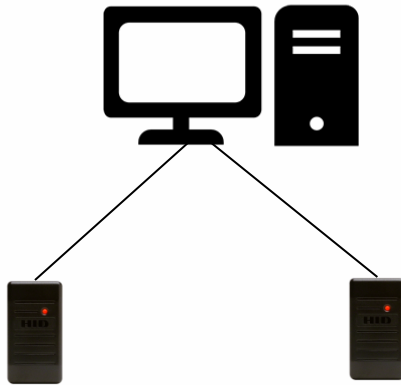
Power on PoE:

- 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

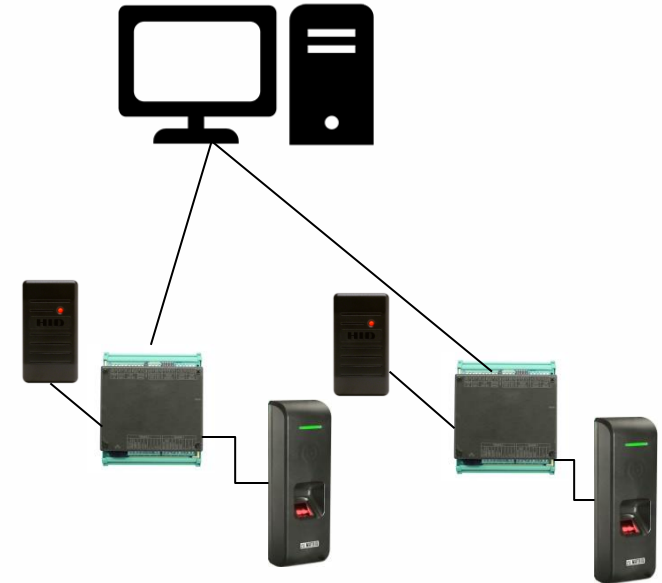


Rol over Existing Setup:

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, Please Contact



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can think
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Thank You.