



COSEC PE

Right People in Right Place at Right Time

The Best of Both Worlds - Access Control and Time-Attendance

Tracking employee attendance and managing access to secure areas has traditionally been a costly and cumbersome affair for retail stores, clinics and other businesses. For a cost effective solution, the configuration is often complex and error-prone, and these issues tend to persist long after deployment.

Matrix COSEC PE is the ideal solution for your Small Office Home Office (SoHo) business; designed and developed keeping in mind the needs of a variety of customers. Its Ethernet or RS485 based Master-Slave architecture simplifies the cabling and installation at your office. The easy to use COSEC software is completely modular and has several optional modules for Visitor Management, Enrollment Management etc. In addition, you get the option of PIN-based, biometric fingerprint-based or card based access control. If you require stronger authentication, access control can be based on a combination of these technologies.

Matrix COSEC PE is also available in 3 combo packs, COSEC COMBO CAS, COSEC COMBO CAP and COSEC COMBO FOP for a complete, ready to use solution capable of supporting 1 to 100 users and 4 Door Controllers. These COMBO packs contain the same feature rich software that is provided for installations with 1 million users.

Matrix COSEC PE is an ideal Time-Attendance and Access Control Solution with a robust and modular architecture for Homes, Private Offices, Clinics, Petrol Pumps, Showrooms, Retail Outlets, Educational Institutes and many other locations.



COSEC PE Benefits

Matrix COSEC PE solution is specially designed for small businesses. It has a simple Ethernet based infrastructure that directly fits into the existing wiring of your office. The optional card reader module in every Door Controller gives you the flexibility to choose the best card reader technology. The system data can be exported to various file formats including CSV, Rich Text or Excel for use in payroll and ERP systems. Moreover, easy software configurations, real time event detection, alarms for tamper detection and system protection and a wide variety of reports and charts add value to your complete security solution.

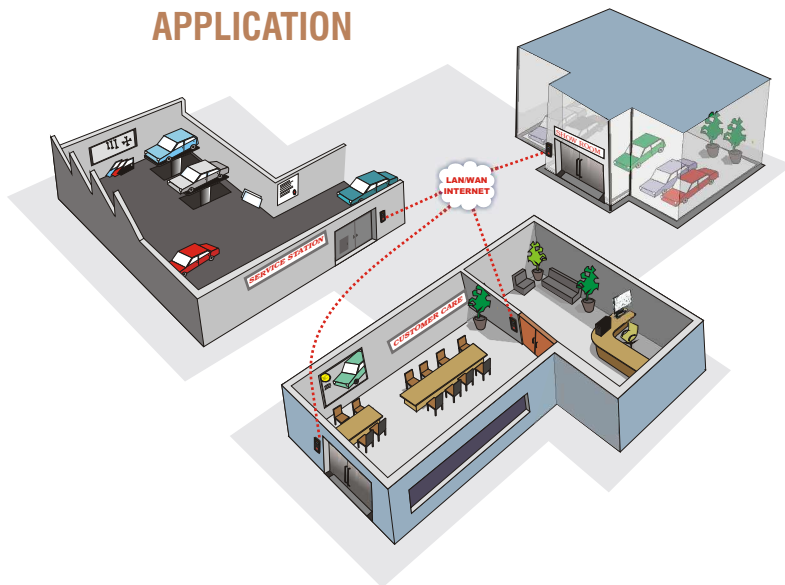
Matrix COSEC PE comes with useful Time-Attendance functions that include:

- Past Adjustments - Allow the manager to correct employee time attendance data after the attendance period is closed.
- Leave Management - Leave Type Creation, Leave Balance Management, Leave Workflows
- Time-Attendance Policies - Comp-OFF, Late-in, Early-out, Overtime and many more
- Employee Self Service - A Web based portal for all employees to manage their attendance

Matrix COSEC PE has special Access Control functions such as:

- 2-Person Access - Allows entry only when two authorized persons jointly use their access rights within a specified time
- Block User Rule - Door will not open for employees if they are blocked by administrator
- Anti-Pass Back - Prevents a card holder from passing their card back to a second person to gain entry
- Who's In Summary - Useful to find list of present employees in an emergency

APPLICATION



Time-Attendance and Access Control Application in Auto-Showroom and Workshop

Fig shows COSEC PE Solution deployed in an automobile showroom having 70 employees with separate Sales, Service, Administration and Customer Care departments. COSEC Door Controllers are installed over Ethernet in each department for time-attendance and access control purpose. Every employee's credentials (finger or card) are enrolled into the system.

Now time attendance of all employees can be recorded from a single location. This helps to increase accuracy and efficiency in workforce allocation, preventing payroll fraud.

Biometric technology is used in the administration department for controlling access to the secure vault area, thus, preventing unauthorized access.

COSEC SOFTWARE MODULES



COSEC software includes built-in modules for Administration, Access, Time-Attendance and Leave Management and optional modules for Visitor Management, Employee Self Service and Enrollment Management.

COSEC DEPLOYMENT

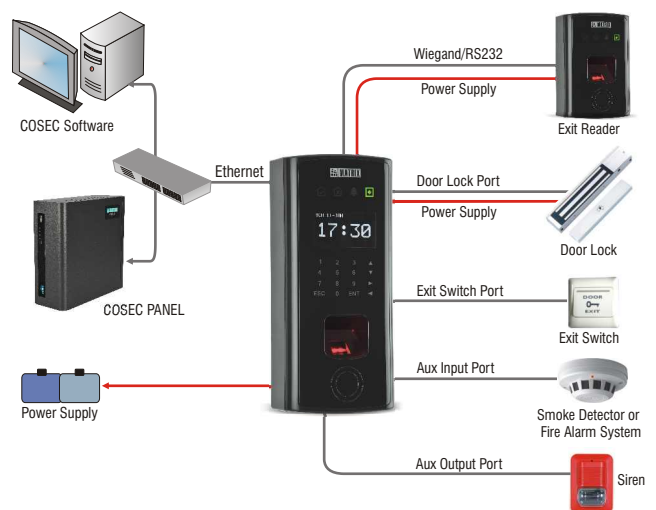


Fig shows deployment of Matrix COSEC Door Controller with various interfaces like door lock, exit reader, exit switch, auxiliary input and output port and Ethernet. COSEC PANEL is usually required for advanced access control features or additional local events storage. COSEC Door Controller can be powered through power adaptor, COSEC PSBB or from COSEC PANEL.

FEATURES LIST

COSEC PE provides over 200 features (with 100+ reports and easy to read charts) in the following categories:

Access Control Feature Categories

- Basic Access Control
- Special Access Policies
- User Access Modes
- Alarm and Event Management
- System Administration
- Monitoring and Control
- Visitor Management
- Blocked Users

Time Attendance Feature Categories

- General Time-Attendance
- Leave Management
- Data Export
- Date Time Management
- Holidays and Shifts Management
- User Alerts
- Employee Self Service
- User Enrollment

(Refer website for complete range of features with details.)



TECHNICAL SPECIFICATIONS

SYSTEM SPECIFICATIONS						
Door Controller Interfaces	Ethernet or RS485					
User Credentials	Finger, Card, PIN, Finger+ Card, Finger+PIN, Card+PIN, Finger+Card+PIN					
User Verification	1:1 and 1:N					
Templates per User	1 to 10					
Cards per User	2 (Any Type)					
Door Controller Cache (Local Storage)	5,000 Events					
Events Buffer in Database	Unlimited					
COSEC DOOR CONTROLLERS						
Ordering Code*	DOOR CAS	DOOR FOS	DOOR FCS	DOOR CAP	DOOR FOP	DOOR FCP
Credentials Supported	Card	Card and Fingerprint		Card and PIN	Card, Fingerprint and PIN	
Fingerprint Module	NA	Optical	Capacitive	NA	Optical	Capacitive
Fingerprint Template	NA	9600		NA	9600	
LCD (128x64 Dot-Matrix)	-	-	-	Yes	Yes	Yes
Touch-Sense Keys (16)	-	-	-	Yes	Yes	Yes
Communication	Ethernet 10Mbps and RS485					
Additional Reader	1 Port for Card or Fingerprint Reader					
External Reader Interfaces	RS232 and Wiegand					
Exit Switch Port	Yes					
Door Status Sense	Programmable NO(Normally Open), NC (Normally Closed), Supervised					
Door Lock Relay	Relay SPDT, Form C, 1A@30VDC					
Tamper Detection	Yes					
Buzzer	Yes					
Visual Indications	4 LEDs for Status, Alarm, Allowed and Denied					

* Card based Door Controllers require card personality module at the back.

COSEC supports contactless proximity cards and smart cards for identification as shown below:

Proximity Cards (125KHz): EM PROX, HID PROX

Smart Cards (13.56MHz): MIFARE 1k, MIFARE 4k, HID iClass 2k/2, HID iClass 16k/2, HID iClass 16k/16

ORDERING INFORMATION

PRODUCTS	DESCRIPTION
COSEC COMBOS (Complete Solution with Hardware, Software and Proximity Card Reader)	
COSEC COMBO CAS	This Combo has COSEC DOOR CAS, COSEC CPM EM PROX and COSEC PE PLATFORM with 100 User Capacity
COSEC COMBO CAP	This Combo has COSEC DOOR CAP, COSEC CPM EM PROX and COSEC PE PLATFORM with 100 User Capacity
COSEC COMBO FOP	This Combo has COSEC DOOR FOP, COSEC CPM EM PROX and COSEC PE PLATFORM with 100 User Capacity
COSEC HARDWARE	
COSEC DOOR CONTROLLERS	The details of different Door Controllers are given in the Technical Specifications
COSEC READER CA	Card Reader Installed at Exit Point, Supporting any Card Personality Module. Works with any COSEC Door Controller.
COSEC READER FO	Biometric Finger Print Optical Reader Installed at Exit Point. Works with any COSEC Door Controller.
COSEC READER FC	Biometric Finger Print Capacitive Reader Installed at Exit Point. Works with any COSEC Door Controller.
COSEC ENROLL	Enrollment Station for Cards and Fingerprints with USB Camera.
COSEC CPM EM PROX	EM Proximity Card Personality Reader Module with RS232 Interface
COSEC CPM HID PROX	HID Proximity Card Personality Reader Module with Wiegand Interface
COSEC CPM MIFARE SMART	Mifare Smart Card Personality Reader Module with RS232 Interface
COSEC CPM HID ICLASS	HID iCLASS Smart Card Personality Reader Module with RS232 Interface.
COSEC PANEL	Master Controller Support Door Controllers having Ethernet, RS485, Power Supply and Battery Backup Provision for up to 4 Door Controllers. Battery not Included.
APPLICATION SOFTWARE	
COSEC PE PLATFORM	Application Software for Time-Attendance and Leave Management for 100 Users and 4 Door Controllers.
COSEC PE ESS	Optional Employee Self Service Management Portal for COSEC PE PLATFORM.
COSEC PE EMM	Optional Enrollment Management Module for COSEC PE PLATFORM.
COSEC PE VMM	Optional Visitor Management Module for COSEC PE PLATFORM.

The COSEC software is also available in higher capacities for SMB, SME and LE Customers. The details of complete range of Matrix products is available on website.



■ ABOUT MATRIX

An ISO 9001 Company, Matrix is a leader in Telecom and Security solutions for modern businesses and enterprises. An innovative, technology driven and customer focused organization; the company is committed to keep pace with the revolutions in the telecom and security industries. With around 30% of its human resources dedicated to the development of new products, Matrix has launched cutting-edge telecom products like IP-PBX, Universal Gateways, VoIP Gateways and Terminals, GSM Gateways and Security products like Access Control and Time-Attendance Systems and Fire Alarm Systems. These solutions are feature-rich, reliable and conform to the international standards. Having global foot-prints in Asia, Europe, North America, South America and Africa through an extensive network of more than 500 channel partners, Matrix ensures that the products serve the needs of its customers faster and longer. Matrix has gained trust and admiration of more than 150,000 customers representing the entire spectrum of industries. Matrix has won many awards for its innovative products



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Due to continuous technology upgradations, product specifications are subject to change without notice.