



ACCESS CONTROL

CAFETERIA  
MANAGEMENT

TIME-ATTENDANCE

# COSEC DOOR PVR ES

Palm Vein based Door Controller With External Sensor

JOB PROCESSING  
AND COSTING

VEHICLE ACCESS MANAGEMENT



VISITOR MANAGEMENT

CONTRACT WORKERS  
MANAGEMENT

## GENERAL

Credential Support

Palm Vein, RFID Card and PIN

RF Option

Proximity (EM Prox and HID Prox) and  
Smart Cards (Mifare, NFC Tag and HID iCLASS)  
(COSEC CPM Module Required)

## CAPACITY

Max. Users

10,000

Max. Template Storage

20,000

Event Buffer

100,000

Templates per User

Up to 10 Templates (Multi-Palm)

Cards per User

Up to 2

Palms per User

Up to 2

## COMMUNICATION

Wi-Fi

Yes (802.11 b/g/n)

Ethernet

Yes (10/100 Mbps)

RS-232

Yes

Mobile Broadband

Yes

Wiegand

Wiegand IN, Wiegand OUT Available

USB

2 USB Port (Data Transfer and Broadband Dongle)

## INTERFACE

Exit Switch

Yes

Door Status Sense

Programmable NO, NC, Supervised

Door Lock Relay

30V DC @ 1 A, Form C, SPDT Relay

Door Lock Power

Internal 12 VDC @ 0.5A or External

Aux-In

Programmable NO, NC, Supervised

Aux-Out

30V DC @1 A, Form C, SPDT Relay

Reader Interface Types

RS-232, and Wiegand IN/OUT

## HARDWARE

CPU

1 GHz ARM Cortex A8 Based Processor

Memory

256 MB Flash + 512 MB DDR3 RAM

Display

128 x 64 Dot Matrix Display

Display Size

38.1mm x 60.96mm (1.5" x 2.4")

LED	4 LED (Status, Alarm, Allowed, Denied)
Buzzer	Yes
Keypad	16 Touch Sense Keys
Operating Temperature	0°C to +45°C (32°F to 113°F)
Humidity	5% to 85% RH Non - Condensing
Tamper Detection	Yes
Power	12V DC @ 2A
Power to Door Lock	12V DC @ 0.5A (Power to Lock from COSEC DOOR PVR) 30V DC @1 A (Power to lock from External Adaptor)
Dimensions (W x H x D)	100mm x 220mm x 56mm (3.93"x 8.66"x 2.20")
Weight	0.65 Kgs (1.43 lbs.)

#### CERTIFICATES

CE, FCC, RoHS, IEC, BIS

#### COMPATIBILITY

System Integration	API for Software Integration
Operational Modes	Direct Door with COSEC CENTRA Server Panel Door with COSEC PANEL LITE V2

#### SENSOR

Sensor Name	Fujitsu Palm Vein Sensor
Sensor Technology	Reading by Near- Infrared Light
Encryption	AES Encryption (Cryptography > 128 Bit)
Drip-proof	Yes
Capturing Distance	40 to 60 mm (1.5" to 2.3")
False Acceptance Ratio (FAR)	0.00008%
False Rejection Ratio (FRR)	0.01%
Scope of Capture	Entire Palm
Sensing Area	16.0mm x 19.0mm
Template Size	3 KB
Dimension (W x H x D)	35mm x 27mm x 35mm (1.3" x 1.0" x 1.3")

#### HAND GUIDE SPECIFICATIONS

Hand Guide	External with Sensor
Operating Voltage	Feed from Door Controller through USB
Interface	USB 2.0 High Speed/Full Speed, Plug & Play
Operating Temperature	0°C to +45°C (32°F to 113°F)
Humidity	5% to 95% RH Non-Condensing
Dimensions (W x H x D)	130.2mm x 170mm x 108.3mm (5.12" x 6.69" x 4.26")
Weight	0.26 Kgs (0.57 Lbs)

#### APPLICATIONS

Access Control  
Time-Attendance  
Contract Workers' Management  
Job Processing and Costing

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

## ABOUT MATRIX

Established in 1991, Matrix is a leader in security and telecom solutions for modern businesses and enterprises. Matrix, an innovative, technology driven and customer focused organization, is committed to keep pace with the revolutions in security and telecom industries. With more than 40% of its human resources dedicated to the development of new products, Matrix has launched cutting-edge products such as Unified Communications, IP-PBX, Universal Gateways, Convergence, VOIP Gateways, GSM Gateways, IP Video Surveillance, Access Control and Time-Attendance. These solutions are feature-rich, reliable and conform to the international standards. Having global footprints in Europe, North America, South America, Africa and Asia through an extensive network of more than 1000 system integrators, Matrix ensures that the products serve the needs of its customers faster and longer. Matrix has gained trust and admiration of customers representing the entire spectrum of industries. Matrix has won many national and international awards for its innovative products.



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