



ACCESS CONTROL

CAFETERIA  
MANAGEMENT

TIME-ATTENDANCE

# COSEC DOOR PVR

Palm Vein based Door Controller

JOB PROCESSING  
AND COSTING

VEHICLE ACCESS MANAGEMENT



VISITOR MANAGEMENT

CONTRACT WORKERS  
MANAGEMENT

## GENERAL

Credential Support	Palm Vein, Card and PIN
Display	128 x 64 Dot Matrix Display
Keypad	16 Touch sense keys
User Capacity	10,000

## CAPACITY

Template Storage Capacity	20,000
Template Per User	Up to 10
Cards Per User	Up to 2
Types of Cards Support	EM Prox, HID Prox, HID iCLASS and Mifare (COSEC CPM Module Required)
Event Buffer	100,000
Ethernet	Yes (10/100 Mbps on Ethernet)
Wi-Fi	Yes (802.11 b/g/n)

## COMMUNICATION

Mobile Broadband	Yes (2G/3G Support)
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## INTERFACES

Exit Switch	Yes
Door Status Sense	Programmable NO, NC, Supervised
Door Lock Relay	Form C, SPDT Relay (Max 2A@30 VDC)
Door Lock Power	Internal 12VDC @ 0.5A or External
Aux-In	Programmable NO, NC, Supervised
Aux-Out	Form C, SPDT Relay (Max 2A@30 VDC)
Reader Interface Types	RS-232, and Wiegand IN/OUT
USB	2 USB Ports (1 for Data Transfer/External Sensor Connectivity and 1 for 2G-3G Dongle)

## AUDIO-VISUAL

LED	4 LED (Status, Alarm, Allowed, Denied)
Buzzer	Yes

**GOOD  
DESIGN**product  
design  
award

2011

## CONFIGURATION

CPU	1 GHz ARM Cortex A8 based Processor
Flash Memory	256 MB Flash
RAM Memory	512 MB DDR3 RAM

## ELECTRICAL

Input Power	12 VDC @ 2A
Battery Backup	No Internal Battery Backup, External Through PSBB

## PHYSICAL

Dimensions (WxHxD)	100x220x55 mm (3.9"x8.7"x2.2")
Weight	0.49 Kgs (1.07 Lbs)

## ENVIRONMENTAL

Humidity	5% to 85% RH Non-Condensing
Operating Temperature	0°C to +50°C (32°F to 122°F)

## OTHERS

System Integration	Software API for Software Integration
Operational Mode	Direct Door with COSEC CENTRA Server Panel Door with COSEC PANEL LITE V2
Tamper Detection	Yes
Hand Guide	Yes (Detacheble)

## SENSOR SPECIFICATIONS

Sensor Technology	Fujitsu Sensor
Reading System	Reading by Near-Infrared Light
Dimensions (W x H x D)	35 x 27 x 35mm (1.3" x 1.0" x 1.3")
Scope of Capture	Entire Palm
Capturing Distance	40 to 60mm (1.5" to 2.3")
Drip-Proof	Yes
FRR	< 0.01%
FAR	< 0.0008%
Encryption	AES (Cryptography > 128 Bit)

## ABOUT MATRIX

Established in 1991, Matrix is a leader in Telecom and Security solutions for modern businesses and enterprises. An innovative, technology driven and customer focused organization; Matrix is committed to keep pace with the revolutions in the telecom and security industries. With more than 40% of its human resources dedicated to the development of new products, Matrix has launched cutting-edge products like Video Surveillance solutions, Access Control, Time-Attendance, IP-PBX, Universal Gateways, Terminals, Convergence solution, VoIP Gateways and GSM Gateways. 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 customers representing the entire spectrum of industries. Matrix has won many international awards for its innovative products.

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