



GENERAL

Credential Support
Ingress Protection

Bluetooth (BLE), Fingerprint, RFID Card, and PIN
IP65
COSEC VEGA FAE:- EM Proximity Card

COSEC VEGA FAM:- MIFARE Classic®, DESFire EV1 and EV2(Read/Write), NFC Tag

Card

COSEC VEGA FAI:- HID iClass Card Support (Read/Write), HID Prox, EM Prox, Desfire EV1 & EV2 (CSN Read), and Mifare Classic (CSN Read), NFC Tag

*MIFARE and MIFARE Classic® are trademarks of NXP B.V.

CAPACITY

Max. Users	50,000
Max. Template Storage	9,600 in 1:N Mode and 100,000 in 1:1 Mode
Event Buffer	500,000
Templates per User	Up to 10 (Single Template per Finger Mode) Up to 5 (Dual Template per Finger Mode)
Cards per User	Up to 2

COMMUNICATION

Wi-Fi	Yes (802.11 b/g/n)
WLAN (802.11 b/g/n)	Frequency: 2.4 GHz, Frequency Range: 2412 MHz to 2485 MHz
Bluetooth (BLE 4.0)	Frequency: 2.4 GHz, Frequency Range: 2402 MHz to 2480 MHz
Ethernet	Yes (10/100 Mbps)
PoE	Yes (IEEE 802.11 b/g/n)
RS-232	Yes
Mobile Broadband	Yes (3G/4G/LTE)
	Yes (Selectable IN/OUT)
Wiegand	IN: 26 Bit format OUT: Configurable
USB	1 USB Port (Data Transfer and 3G/4G/LTE Dongle)

INTERFACE

Exit Switch	Yes
Door Status Sense	Programmable NO, NC, Supervised
Door Lock Relay	30V DC @ 1A, Form C, DPDT Relay
Door Lock Power	12V DC @ 0.5A (Power to external Lock from Device) 30V DC @2 A (Power to lock from an External power source)
Aux-In	Yes
Aux-Out	Yes
Reader Interface Types	RS-232, and Wiegand

HARDWARE

CPU	800 MHz ARM Cortex A8 Based Processor
Memory	256 MB Flash + 512 MB DDR3 RAM
Micro SD Card	Yes (Inbuilt 16 GB)
Display	3.5" TFT Display with Capacitive Touch Panel
Display Size	320 x 240 Pixel
Buzzer	Yes
Operating Temperature	0°C to +50°C (32°F to 122°F)
Humidity	5% to 95% RH Non-Condensing
Tamper Detection	Yes
Power	12V DC @ 2A
Power to Door Lock	12V DC @ 0.5A (Power to Lock from COSEC VEGA FAX) 30V DC @1 A (Power to lock from External Adaptor)
Dimensions (W x H x D)	91mm x 186mm x 38mm (3.58" x 7.32" x 1.49")
Weight	0.54 Kgs (1.19 lbs.)

CERTIFICATES

CE, FCC, BIS, ROHS, IP65, Shock and Vibration Proof

COMPATIBILITY

System Integration	API for Software Integration
Operational Modes	Direct Door with COSEC CENTRA/ VYOM Panel Door with COSEC PANEL200P

SENSOR

Sensor Name	Suprema Optical Sensor - SFM5030
Sensor Technology	Optical Technology
Encryption	256-bit AES
Waterproof	Yes
False Acceptance Ratio (FAR)	0.001%
False Rejection Ratio (FRR)	0.001%
Equal Error rate (EER)	< 0.08%
Resolution (dpi)	500
Sensing Area	16.0mm x 18.0mm
Template Size	384 Bytes
Finger Duress Detection	Supported (Direct/Panel Door)

INSTALLATION

Wall Mount	Yes
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ACCESSORIES

Power Adapter	12VDC @ 2A (CE, FCC, UL, BIS)
Battery Backup	Yes

APPLICATIONS

- Access Control
- Time-Attendance
- Visitor Management
- Contract Workers' Management
- Cafeteria 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 organizations. Matrix offers a comprehensive range of solutions for IP Video Surveillance, Access Control, Time-Attendance, and Telecom applications. The solutions are designed to meet the communication and security requirements of large enterprises having offices in multiple locations, SMEs, and SMBs.

As an innovative, technology-driven, and customer-focused organization, Matrix is committed to keeping pace with the revolutions in the Security and Telecom industries. With around 40% of its human resources dedicated to the development of new products, Matrix has launched over 60 cutting-edge products and solutions.

IP Video Surveillance includes solutions like Video Management Systems, Network Video Recorders, and IP Cameras. Likewise, solutions in Access Control and Time-Attendance include Visitor Management Solutions, Elevator Access Control, Panels, Door Controllers, and Readers.

We offer Telecom Solutions such as Unified Communications, IP-PBX, Universal Media Gateways, VoIP and GSM Gateways, and Communication Endpoints. All these solutions are feature-rich, reliable, and conform to international standards.



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