



GENERAL

Credential Support	BLE, Fingerprint and RFID Card
IP Rating	Yes (IP65 Design)
RF Option	Smart Card (Mifare Smart – 13.56 MHz)

CAPACITY

Max. Users	50,000
Max. Template Storage	SFM 6030: 25,000 (1:N) And 100,000 (1:1)
Event Buffer	5,00,000

COMMUNICATION

Wi-Fi	Yes (IEEE 802.11 b/g/n)
Bluetooth	Yes (BLE 4.0)
Ethernet	Yes
RS-232	Yes
RS-485	Yes
Wiegand	Wiegand IN/OUT Available
USB	No

INTERFACE

Exit Switch	Yes
Door Status Sense	Yes (2 State)
Door Lock Relay	Yes
Reader Power Output	Internal 12 VDC @ 0.250 Amp
Aux-In	NO
Aux-Out	NO
Reader Interface Types	RS-232 & Wiegand IN/OUT

HARDWARE

CPU	Cortex A8 800 MHz
Flash memory	512 MB
RAM memory	512 MB
LED	Single Tri- Color LED
Buzzer	Yes

Operating Temperature
Humidity

0°C to +50°C (32°F to 122°F)
5% to 95% RH Non – Condensing

GENERAL

Credential Support	Fingerprint and RFID Card
IP Rating	Yes (IP65 Design)
RF Option	Smart Card (Mifare Smart – 13.56 MHz)

CAPACITY

Max. Users	10,000
Max. Template Storage	9,600
Event Buffer	50,000
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

Ethernet	Yes (10/100 Mbps)
RS-232	Yes
PoE	Yes (IEEE 802.3af)
RS-485	Yes
Wiegand	Wiegand IN/OUT Available

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 12V DC @ 0.5A or External
Reader Interface Types	RS-232, RS-485 and Wiegand IN/OUT

HARDWARE

CPU	32 Bit Microcontroller
Memory	512 Kb Internal Memory + 2 MB External Flash+ 128 Kb SRAM
LED	Single Tri- Color LED
Buzzer	Yes
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 (For Adapter Supply Mode) 30V DC @ 1 A (For PoE Supply Mode)
Dimensions (W x H x D)	50.5mm x 160mm x 44mm (1.98"x6.29"x1.73")
Battery Backup	Through COSEC PATH BBU or COSEC PSBB12V
Weight	0.27 Kgs (0.59 lbs.)

CERTIFICATES

BIS (IS 13252), IP65, CE, FCC, IEC 60950-1, RoHS

SENSOR

Sensor Name	Suprema Sensor
Sensor Technology	Optical
Encryption	256-bit AES
Water-proof	Yes
False Acceptance Ratio (FAR)	0.001%
False Rejection Ratio (FRR)	0.01%
Resolution (dpi)	500 dpi
Sensing Area	16.00mm x 19.00mm
Template Size	384 Bytes
Image Size (Pixel)	272mm x 320mm

COMPATIBILITY

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

APPLICATIONS

Access Control
Time-Attendance
Contract Workers' Management
Visitor Management

**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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