



GENERAL

Credential Support	Fingerprint, RF Card, PIN and Bluetooth
IK Rating	IK07 (Complies IEC 62262 Standard)
IP Rating	IP65 (Complies IEC 60529 Standard)
RF Option	Mifare Card Support (Inbuilt) Read and Write Mifare Card Type

DISPLAY

Display	3.5" IPS Display with Capacitive Touch Panel with Gorilla Glass 3
Display resolution	480 X 320 Pixel (HVGA)

CAPACITY

Max. Users	50,000
Max. Template Storage	25,000 in 1: N Mode and 100,000 in 1:1 Mode
Event Buffer	500,000 Events
Templates per User	Up to 10 (Single Template per Finger Mode) Up to 5 (Dual Template per Finger Mode)

COMMUNICATION

Wi-Fi	Yes (IEEE 802.11 b/g/n)
Ethernet	Yes (10/100 Mbps)
PoE	Yes (IEEE 802.3 af)
RS-232	Yes
Mobile Connectivity	Yes (3G/4G/LTE)
Wiegand	Wiegand IN/OUT Available
USB	1 Micro-USB Port (Data Transfer and 2G-3G Dongle)
Bluetooth	Yes, Built-in (8m Range)

INTERFACE

Exit Switch Port	Yes
Door Status Sense	Yes
Door Lock Relay	30V DC @ 2 A, Form C, SPDT Relay
Door Lock Power	12V DC @ 0.5A (Power to external Lock from Device) 30V DC @2 A (Power to lock from External power source)
Reader Interface Types	RS-232, and Wiegand IN/OUT

HARDWARE

OS	Embedded LINUX
CPU	800 MHz ARM Cortex A8 Based Processor
Memory	512 MB Flash + 512 MB DDR3 RAM
Mounting Options	Wall Mounting, Flush Mounting
Tamper Detection	Yes
Power	12V DC @ 2A
Dimensions	Wall Mount:186mm(H) x 74mm(W) x 50mm(D) Flush Mount: 186mm(H) x 74mm(W) x 16mm(D)
Weight	0.550 Kgs

AUDIO-VISUAL

User Photo Display	Yes
Buzzer	Yes

COMPATIBILITY

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

SENSOR

Sensor Name	Suprema Optical Sensor – SFM6030
Sensor Technology	Optical Technology
Encryption	256-bit AES
EER	<0.08%
Resolution (dpi)	500
Sensing Area	16.0mm x 18.0mm
Template Size	384 bytes
Image Size (Pixel)	288 x 288

ENVIRONMENTAL

Operating Temperature	0°C to +50°C
Humidity	5% to 95% RH Non – Condensing
Thermal Sensor	Yes, Built-in to Indicate Over Heat Conditions

CERTIFICATIONS

Certifications: CE, BIS, FCC, and UL
Compliance: RoHS

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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