


GENERAL

Credential Support	Fingerprint, RFID Card and PIN
RF Option	Proximity (EM Prox, HID Prox) and Smart Cards (Mifare, NFC Tag and HID iCLASS) (COSEC CPM Module Required)

CAPACITY

Max. Users	50,000
Max. Template Storage	10,000 (1: N) (Recommended 1,000 in 1: N) and 100,000 (1:1)
Event Buffer	500,000
Cards per User	Up to 2

COMMUNICATION

Wi-Fi	Yes (802.3 af)
Ethernet	Yes (10/100 Mbps)
PoE	Yes
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	30VDC @1 A, Form C, SPDT Relay
Door Lock Power	Internal 12V DC @ 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	800 MHz ARM Cortex A8 Based Processor
Memory	256 MB Flash + 512 MB DDR3 RAM
Display	TFT Touch Display
Display Size	4.3" Capacitive Touchscreen
Buzzer	Yes

Keypad	Touch Display
Operating Temperature	0°C to +45°C (32°F to 113°F)
Micro SD Slot	Yes (Inbuilt 4GB)
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 FMX10) 30V DC @1 A (Power to lock from External Adaptor)
Dimensions (W x H x D)	100mm x 220mm x 56mm (3.9"x 8.7"x 2.2")
Weight	0.6 Kgs (1.32 lbs.)

CERTIFICATIONS

CE, FCC, BIS

COMPATIBILITY

System Integration	Device API for Software Integration
Operational Modes	Direct Door with COSEC CENTRA Server
Software Compatibility	COSEC CENTRA V11R3 Onwards

SENSOR

Sensor Name	Multispectral Lumidigm Sensor
Sensor Technology	Multispectral Scanning
False Acceptance Ratio (FAR)	0.01%
False Rejection Ratio (FRR)	0.8%
Sensing Area	27mm x 30mm x 41mm
Template Size	500 ppi
Image Capturing Area	17.4mm x 13.9mm

APPLICATIONS

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

Sensor Reads Surface as well as Subsurface of a Finger



**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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