

MATRIX COSEC NGT FCX

Right People in Right Place at Right Time



An innovative award winning design of **COSEC NGT FCX** manages time-attendance and enhances security along with meeting the aesthetic needs of modern organizations like corporate offices, R&D centers, head offices etc. Advance features like multimedia, camera, TFT display, voice guidance, PoE and wireless connectivity assist in overcoming the functional challenges of these organizations. Such user friendly features also reduce the complexity of using a biometric device for the employees.



reddot design award

 **MATRIX**
SECURITY SOLUTIONS

Key Features



Wireless
Connectivity



Inbuilt PoE



3.1 MP
Camera



Multimedia
Functions



Capacitive
Sensor



7" Touch
Sense LCD



Photo Capture
and Storage



10,000 Users



Voice
Guidance



Easy
Integration



Applications



Time-Attendance



Leave Management



Access Control



e-Canteen Management



Visitor Management



Roster Management

Technical Specifications

Credential Support	Card, Fingerprint & PIN
User Capacity	10,000
Templates per User	Up to 10
Cards per User	2 (Any Type)
Fingerprint Template Capacity	9,600 Templates
Display	7" TFT Display
Verification Method	1:1 and 1:N
Type of Card	Smart and Proximity
PoE	Yes
Wireless Connectivity	Wi-Fi, 2G, 3G, GPRS, GSM, CDMA
USB	Yes
Communication	Ethernet
Events Buffer	1,00,000
Communication Speed	10/100Mbps on Ethernet
External Reader	1 Port for Card Reader
External Reader Interfaces	RS-232 and Wiegand
External Reader Power	12VDC@0.5A
Exit Switch Port	Yes
Door Status Sense	Programmable NO, NC, Supervised
Door Lock Relay	Relay SPDT, Form C, 1A@30VDC
Door Lock Power	Internal 12VDC@0.5A or External
Auxiliary Input Port	Programmable NO, NC, Supervised
Auxiliary Output Relay	Relay SPDT, Form C, 1A@30VDC
Tamper Detection	Yes
Buzzer	Yes
LED Indication	1 Multi-color LED
CPU	32-Bit Microprocessor
Memory	256MB Flash + 256MB DDR 2 RAM
Input Power	12VDC@2A
Dimensions (W x H x D)	100 x 220 x 55mm (3.9" x 8.7" x 2.2")
Weight	0.49Kg (1.07Lbs)
Environment	-10° C to +50°C (14°F to 122°F) 5% to 95% RH Non-Condensing

Cards Support

Low Frequency (125KHz) EM PROX, HID PROX
High Frequency (13.56MHz) MIFARE 1k, MIFARE 4k, HID iClass 2k/2 HID iClass 16k/2, HID iClass16k/16

Capacitive Sensor

Sensor Technology	Capacitive
Sensing Area	12.8 x 18.0 (0.50" x 0.70")
Image Size in Pixels	256 x 360
Image Resolution in DPI	508
Identification Time	< 1 Sec
Verification Time	< 1 Sec
Equal Error Rate (ERR)	< 0.01%

Connectivity Diagram



ABOUT MATRIX

An ISO 9001 Company, Matrix is a leader in Telecom and Security solutions for modern businesses and enterprises. An innovative, technology driven and customer focused organization; the company is committed to keep pace with the revolutions in the telecom and security industries. With around 30% of its human resources dedicated to the development of new products, Matrix has launched cutting-edge products like IP-PBX, Universal Gateways, VoIP Gateways and Terminals, GSM Gateways, Access Control and Time-Attendance Systems, Video Surveillance System and Fire Alarm Systems. 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 more than 350,000 customers representing the entire spectrum of industries. Matrix has won many international awards for its innovative products.



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Due to continuous technology upgradations, product specifications are subject to change without notice.