

Matrix COSEC Comparison		
Parameters	COSEC DOOR V2	COSEC DOOR V3
Credential Support	Finger, Card, and PIN	Finger, Card, and PIN
User Capacity	2,000	50,000
Finger Sensor	Suprema SFM 3030 OC-4	Suprema SFM 3030 OC-4
Sensor Templates Storage Capacity	9600	9600 (1:N Mode) and 1,00,000 (1:1 Mode)
Templates per User	Up to 10 (Single Template per finger mode) and Up to 5 (Dual Template per finger mode)	Up to 10 (Single Template per finger mode), and Up to 5 (Dual Template per finger mode)
Cards per User	Up to 2	Up to 2
Type of Card	EM Prox, HID Prox, HID iCLASS & Mifare	EM Prox, HID Prox, HID iCLASS & Mifare
Verification Method	1:1 and 1:N	1:1 and 1:N
CPU	32 Bit Microcontroller	400 MHz ARM 9 based Processor
Flash Memory	512 kB Internal Flash + 2 MB External Flash	256 MB Flash
RAM Memory	128 kB SRAM	128 MB DDR2 RAM
Micro SD Card	No	No
Tamper Detection	Yes	Yes
Display	128 x 64 Dot Matrix Display	128 x 64 Dot Matrix Display
Keypad	16 Touch Sense Keys	16 Touch Sense Keys
LED	4 LEDs (Status, Alarm, Allowed and Denied)	4 LEDs (Status, Alarm, Allowed and Denied)
Buzzer	Yes	Yes
Speaker	No	No
USB	1 USB for Data Transfer	2 USB Ports (1 for Data Transfer and 1 for 3G/4G Dongle)
Camera	No	No
Event Buffer	50,000	5,00,000
Exit Switch Port	Yes	Yes
Door Status Sense	Programmable NO, NC , Supervised	Programmable NO, NC , Supervised
Door Lock Relay	Form C, SPDT relay (Max 2A @ 30 VDC)	Form C, SPDT relay (Max 2A @ 30 VDC)
Door Lock Power	Internal 12 VDC @ 0.5 A or External	Internal 12 VDC @ 0.5 A or External
Auxiliary Input Port	Programmable NO, NC, Supervised	Programmable NO, NC, Supervised
Auxiliary Output Port	Form C, SPDT relay (Max 2A @ 30 VDC)	Form C, SPDT relay (Max 2A @ 30 VDC)
Input Power	12 VDC @ 2 A	12 VDC @ 2 A
Built In POE	No	No
Built In Wi-Fi	No	No
Battery Backup	No Internal battery backup, External Through Power Supply Battery Backup	No Internal battery backup, External Through Power Supply Battery Backup
Reader Interface	RS-232 and Wiegand IN only	RS-232 and Wiegand IN only
Reader Type	1 Port for Card Reader / Finger Reader /Third Party Wiegand reader	1 Port for Card Reader / Finger Reader / Card Finger Combo Reader / Third Party Wiegand reader
Reader Power Output	Internal 12 VDC @ 0.5 A or External	Internal 12 VDC @ 0.5 A or External
Communication Port	Ethernet and RS-485	Ethernet and Mobile Broadband (3G/4G)
Communication Speed	10/ 100 Mbps on Ethernet and 115.2 Kbps on RS-485	10/ 100 Mbps on Ethernet
Operating Temperature	- 0 °C to + 50 °C	- 0 °C to + 50 °C
Humidity Range	5% to 85 % RH Non-Condensing	5% to 85 % RH Non-Condensing
Dimensions(WxHxD) (mm ³)	100x220x55	100x220x55
Weight (kg)	0.49	0.49



Matrix COSEC DOOR FOP V2/V3