



SENSE 2

Robust. Formidable. Tenacious.

IXM SENSE 2 is the mid-range offering from Invixium's fingerprint biometric portfolio, built for a variety of access control applications. Modern features in SENSE 2 make it an installer's dream, including PoE, Device Powers Door Strike, Presence Detect, Wiegand or OSPD v2, Speaker for custom audio feedback for the user; all in a mullion mountable form factor. Equipped with a high resolution 500 dpi optical fingerprint sensor, SENSE 2 achieves astonishing biometric matching speed of less than 1 sec for the maximum capacity of 40K templates in (1:N) identification mode. Additionally, inbuilt RFID card reader models (125 KHz or 13.56 MHz) allow for dual-factor authentication (fingerprint + card) for higher security and flexibility, including storing the biometric template on the card or on device.

A solid metal backplate on SENSE 2, contributes to its robust construction serving as a mechanism to quickly dissipate heat for longer lasting operation and a strong foundation to withstand rough handling or vandalism



HIGH CAPACITY
USERS



PoE+



PRESENCE
DETECT



DEVICE POWERS
DOOR STRIKE



SINGLE DOOR
ACCESS CONTROL



Technical Specifications

Processor	ARM Cortex A8 - 1 GHz
Random Access Memory	512 MB DDR3L @ 303 MHz
Flash Memory - NAND	1 GB
Operating System	Android® OS
Serial Communication	RS - 232, USB - Aux RS - 485 (OSDP v2 Compliant)
Ethernet	100BASE-T
Wiegand	Customizable up-to 512 bits
USB	USB 2.0 On - The - Go (OTG)
# of SPOs & SPIs	3 & 3
Door Access Controller	2A (1 O/P, 2 I/P, 1 Relay)
Door Strike Supply	12V @ 500mA
Anti-Shock Vandal Protection	Standard
Auto On (Proximity Sensor)	Yes (2 meters)
LEDs	1 (Power & Status)
Audio	Speaker (2 Watts), Microphone
1 : N Users (Records)	20K users (40K biometric records)
1 : 1 Users (Records)	100K users (200K biometric records)
# of Transaction Logs	500K
PoE+	IEEE 802.3at
Power Supply*	12V DC @ 1A, 24V DC @ 0.5A
Environmental Rating	IP65, IK08
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Relative Humidity	0% ~ 95%, non condensing
Regulatory Approvals and Certificates	FCC, CE, RoHS, IP65, IK08, BIS

*If device is powering the door strike, power supply should be 12V DC @ 1.5A.

Dimensions



Device Models

SENSE 2	Sensor	Model	Color
	FP	1	Black/Chrome
		2	
		3	
		4	
		5	

How to Order

SENSE 2	FP	4	Color
SENSE 2	Optical Sensor	Fingerprint + Card Reader† (HID iCLASS / MiFARE / DESFire)	Black/Chrome

FP - Optical Sensor

1 - Fingerprint only

2 - Fingerprint + Card Reader† (EM Prox / MiFARE / DESFire)

3 - Fingerprint + Card Reader† (HID Prox)

4 - Fingerprint + Card Reader† (iCLASS / MiFARE / DESFire)

5 - Fingerprint + Card Reader† (EM Prox / HID Prox / iCLASS / MiFARE / DESFire)

†EM Prox - 125 KHz (4100, 4102, 4200)

HID Prox - 125 KHz (ProxCard II)

iCLASS - 13.56 MHz (iCLASS Standard, iCLASS SE)

MiFARE - 13.56 MHz (MiFARE Classic, DESFire, DESFire EV1/EV2*)

*DESFire EV2 cards are supported by having backward compatibility of DESFire EV1 cards.