

# IXM ROSTO

**Sleek Design. Big Screen.  
Smart Face Recognition.**

Designed for enterprises, utilizing state-of-the-art facial recognition technology, IXM ROSTO ensures quick, accurate, and secure identification by analyzing unique facial features. The reader's sophisticated algorithms can distinguish between live faces and fake images (such as photos or mobile screens), significantly minimizing fraud and bolstering reliability. IXM ROSTO features a 5" IPS LCD touchscreen, offering a clear and vibrant interface for easy interaction and user feedback. The reader also supports RFID cards, QR codes and mobile credentials, providing flexible access options. Equipped with modern connectivity features like PoE, Wi-Fi and Bluetooth, ROSTO is as simple as it is modern.

Integrated with all the major access control panels via IXM Link, this device follows the Invixium principles of design, quality and experience and is ideal for multiple applications, including biometric access control, time tracking and efficient visitor management.



# TECHNICAL SPECIFICATIONS

Processor	1.8 GHz Quad Core NXP i.MX 8M Plus
CPU	64-bit Cortex® - A53
Graphics Engine	Vivante GC520L, Vivante GC7000UL
Image Signal Processor	Yes
NPU	Delivers up to 2.3 Trillion Operations Per Second
Memory	16 GB Flash + 2 GB RAM
Operating System	Secure Linux
Camera	SONY 2 MP RGB, 2 MP IR
Communication Options	TCP/IP, USB Aux, RS485 (OSDP v2), Wi-Fi
Ethernet	10/100/1000 Mbps, auto MDI/MDI-X
Wi-Fi	802.11 b/g/n 2.4 GHz
Bluetooth	Bluetooth 5.2
NFC	Supported
USB	USB 2.0 (OTG), USB 2.0
Flash	High intensity LED
Wiegand	Customizable up to 512 bits
# of SPOs & SPLs	2 & 2
Panel Feedback	Available (2 Physical Lines)
Door Access Controller	Relay rating 2A @ 24VDC (1 Output, 2 Inputs, 1 Relay)
Tamper Protection	Supported
LCD	5.0" IPS Touchscreen LCD
Screen Protection	Toughened Glass
Proximity Sensor	TMOS IR Sensor
LEDs	RGB (Power & Status)
Audio	Mic and Speaker
Intercom	VoIP
Face Recognition Capacity	50,000 Users (1:N)   100,000 Users (1:1)
Card Capacity	100,000 Users (1:1)
Transaction Log Capacity	500,000 Logs
Image Log Capacity	10K Images
Liveness Detection	Yes
Throughput	> 20 users per minute
Authentication Speed	< 1 second
Template Storage (Privacy)	Configurable – On Device, Server or Card
Mobile Credentials	Digital Card supported via IXM Mobile
Other Credentials	PIN, RFID, QR Codes
PoE	IEEE 802.3af
Power Supply	PoE, 12 VDC @ 2A, 24 VDC @ 1A
Environmental Rating	IP65 and IK08
Operating Temperature	0° to +60° C (32° to 140° F)
Relative Humidity	0-95% non-condensing
Regulatory Approvals & Certificates	FCC, CE, RoHS, UKCA, BIS
Dimensions	183 x 93 x 28 mm (L x W x D)

# DIMENSIONS



# DEVICE MODELS

Product	Model	Color
ROSTO	FR1   Face + PIN + QR Code + No RFID Reader	Black & Copper
	FR2   Face + PIN + QR Code + RFID Reader† (EM Prox / MiFARE / DESFire)	
	FR5   Face + PIN + QR Code + RFID Reader† (EM Prox / HID Prox / iCLASS / MiFARE / DESFire)	

More Details



†EM Prox - 125 KHz (4100, 4102, 4200)

HID Prox - 125 KHz (ProxCard II)

iCLASS - 13.56 MHz (iCLASS Standard, iCLASS SE/SR/SEOS)

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

\*DESFire EV2 cards are supported by having backward compatibility with DESFire EV1 cards