

IXM ROSTO

Speed. Affordable. Excellence.

ROSTO is a powerful, cost-effective biometric product that brings modern face recognition technology within reach for small and medium businesses. Equipped with a vibrant 5.0" IPS LCD touchscreen and advanced dual-camera (RGB & IR) face recognition technology, ROSTO ensures fast, accurate, and touchless access control, workforce, and visitor management.

ROSTO supports multi-factor authentication with a wide range of credentials, including: RFID cards, mobile access, PIN, and QR codes, providing exceptional flexibility. ROSTO's unique aesthetics feature a two-tone finish and an intuitive UI/UX, making it a standout addition to any modern space. Its modern features, such as OSDP v2, PoE, Wi-Fi, and Bluetooth, along with modern encryption protocols to ensure secure data transfer as well as easy integration with leading Access Control Panels, make IXM ROSTO a future-ready choice for businesses of all sizes.



TECHNICAL SPECIFICATIONS

Processor	1.8 GHz Quad Core NXP i.MX 8M Plus
Graphics Engine	Yes
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	802.11a/b/g/n (Dual-band 2.4 and 5 GHz)
Bluetooth	BLE 5.2
NFC (<i>Selected models only</i>)	Supported
USB	USB 2.0 OTG, Type-C
Flash	High intensity White LED
Wiegand	Customizable up to 512 bits
# of SPOs & SPIs	2 & 2
Panel Feedback	Available (2 Physical Lines)
Door Access Controller	Relay rating 2A @ 24VDC (1 Output, 2 Inputs, 1 Relay)
Tamper Protection	Supported
Display	5.0" IPS Touchscreen LCD, 720*1280 pixels
Screen Protection	Toughened Glass
Proximity Sensor	Time-of-Flight (ToF) Sensor
LEDs	RGB
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
Live Face Detection	Supported
Throughput	> 20 users per minute
Matching 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 802.3at
Power Supply	PoE+, 12 VDC @ 2A, 24 VDC @ 1A
Environmental Rating	IP65 and IK08
Operating Temperature	-20° to +50° C (-4° to 122° F)
Relative Humidity	0-95% non-condensing
Regulatory Approvals & Certificates	FCC, CE, RoHS, UKCA, BIS
Dimensions	183 x 93 x 30 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/EV3*)

*DESFire EV2 and EV3 cards are supported by having backward compatibility with DESFire EV1 cards