INVIXIUM

TFACE

Touchless. Superior. Affordable.

TFACE is a highly versatile dual-biometric device that offers security and convenience for various access control or workforce management applications. Built with a quad-core 2.2GHz processor and secure Android OS, TFACE is designed for the modern world with relevant features such as high-speed touchless face recognition and mask detection with sophisticated specifications like PoE+, BLE, Wi-Fi, a 2.4" IPS capacitive display, tamper protection, intercom, and much more.
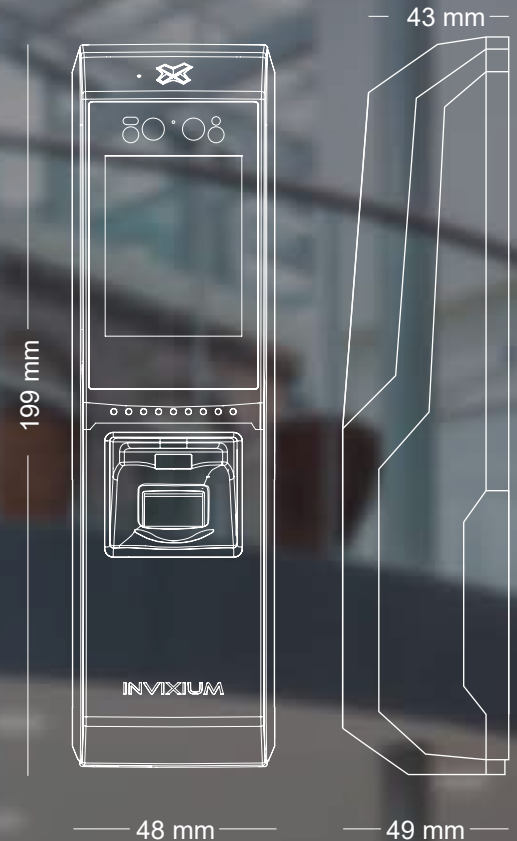
The performance of TFACE is the result of two SONY 8MP cameras (RGB and infrared) and a 500dpi optical fingerprint sensor which jointly deliver reliable and accurate authentication in less than 1 second. Achieve the highest levels of safety and security by enabling up to 4-factors of authentication including face, fingerprint, PIN, mobile credentials, and low or high frequency RFID.

Inspired by TITAN and designed for enterprises, TFACE is your do-it-all biometric solution.

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Technical Specifications

Processor	Quad Core 2.2 GHz
CPU	64-bit, Qualcomm® Kryo™ 460 CPU
Graphics Engine	Qualcomm® Adreno™ GPU 612
Image Signal Processor	Dual 14-bit Qualcomm Spectra™ 250L
DSP	Qualcomm® Hexagon™ DSP 685
RAM	4 GB LPDDR4x
Flash Memory	16 GB
Operating System	Android
Serial Communication	RS - 232, USB, RS - 485 (OSDP v2)
Ethernet	1000BASE-T
Wi-Fi	802.11 a/b/g/n/ac (2.4 GHz, 5 GHz)
Bluetooth	5.0 LE
USB	USB 2.0 (OTG), USB 2.0
Cameras	SONY 8 MP RGB, 8 MP IR
Flash	High intensity LED
Wiegand	Customizable up-to 512 bits
# of SPOs / SPIs	2
Panel Feedback	Available (2 Physical Lines)
Door Access Controller	1A (1-Output, 2-Input, 1-Relay)
Door Strike Supply	12V @ 500mA
Anti-Shock Vandal Protection	Standard
LCD	2.4" IPS Cap Touch Screen
Proximity Sensor	Auto-on TOF sensor
Audio	Speaker
Microphone	Digital Mic
Intercom	VoIP
Screen Protection	Corning® Gorilla® Glass
1:N Users (Face Recognition)	25K users (25K records)
1:1 Users (Face Recognition)	100K users (100K records)
1:N Users (Fingerprint)	50K users (100K records)
1:1 Users (Fingerprint)	100K users (200K records)
Matching Speed	< 1 second
Mobile Credentials	Digital Card, Static and Dynamic QR Code
Image Log Capacity	5K Images
# of Transaction Logs	500,000
PoE+	IEEE 802.3at
Power Supply	12V DC @ 2A, 24V DC @ 1A
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, UKCA, BIS

Dimensions

43 mm

199 mm

48 mm

49 mm

Device Models

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

FP - Optical Sensor

1 - No Physical Card Reader
2 - EM Prox / MiFARE / DESFire)
3 - HID Prox
4 - iCLASS / MiFARE / DESFire
5 - 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.