

# IXM TITAN

Multimodal. Multifactor. Multipurpose.

TITAN is powered by the most cutting-edge processors ever created, the Qualcomm Snapdragon 820 with the ultimate in processing power, connectivity, graphics, face detection, reliability and battery efficiency. To challenge the stature of the Snapdragon 820, TITAN incorporates Face recognition and Fingerprint or Finger Vein biometric modalities to be the pinnacle in physical security and user convenience.

Included in the plethora of soul arresting features is a 21 megapixel camera for face recognition and video intercom, satisfactory storage of users and transactions, incredibly fast authentication speeds and advanced connectivity options like Wi-Fi, Bluetooth, NFC. Oh Yes – TITAN supports integrated 3G/LTE cellular connectivity. The 5.0" screen is Invixium's largest to date with an exceptional interface and user feedback.



Face Recognition



Fingerprint



Finger Vein



All Cards Accepted



2.2GHz Processor



21 MP Camera



5.0" LCD



Aluminium Shell

The Most Advanced Biometric Product Ever Engineered.

# BIOMETRIC SPECIFICATIONS

## Face Recognition

- Automated Face Recognition Algorithm
- Liveness Detection
- Under 1 second authentication
- High throughput (12-18 users per minute)

## Multispectral Fingerprint

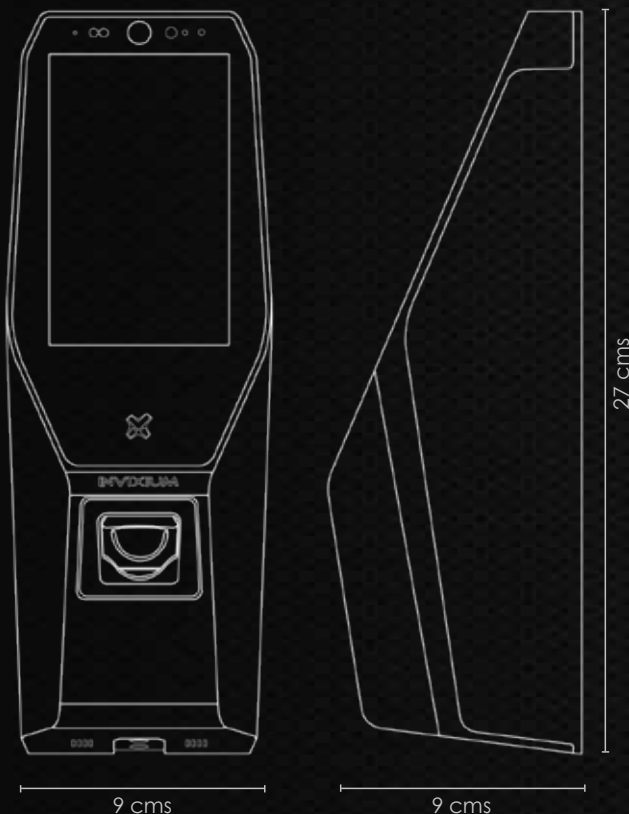
- Patented Sensor from HID Lumidigm
- Liveness Detection
- Reads subsurface fingerprints
- Ideal for outdoor installs

## Finger Vein

- Patented Technology from Hitachi
- Liveness Detection
- Increased privacy (No latent prints)
- Virtually contactless

## Optical Fingerprint

- FBI and STQC Certified SecuGen Sensor
- High image quality but cost effective
- Scratch and impact resistant
- Ideal for indoor installs



Face Recognition Capacity (1:N)	100K Templates
Face Recognition Capacity (1:1)	500K Templates
Finger Vein Capacity (1:N)	4K Templates
Finger Vein Capacity (1:1)	1 million Templates
Fingerprint Capacity (1:N)	100K Templates
Fingerprint Capacity (1:1)	1 million Templates
Fingerprint Sensor Options	Multispectral Fingerprint Optical Fingerprint
Transaction Log Capacity	> 1 million
Image Log Capacity	10K Images
Matching Speed	< 1 second
RFID Card Options	IXM RFID – MiFARE Classic / DESFire / DESFire EV1 / EM Prox iCLASS SE – MiFARE Classic/ DESFire/ DESFire EV1 / EM Prox/ HID Prox/ iCLASS Standard/SE/SR/Seos/PIV II



# TECHNICAL SPECIFICATIONS

Operating System	Android Nougat
Processor	2.2 GHz Quad Core Qualcomm Snapdragon 820
Flash Memory	64 GB Universal Flash Storage 2.0
RAM	4GB PoP LPDDR4 @ 1886MHz
Graphics	Adreno 530 GPU
ISPs	Spectra 14 bit dual ISPs
Camera	21 MP camera with Autofocus and LED Flash
Display	1080p (ultraHD) High Contrast Display
LCD	5.0" IPS Capacitive Touchscreen
LCD Protection	Corning Gorilla Glass with antimicrobial properties
Keypad	Digital Keypad via LCD
Audio	Stereo High-Fidelity Speaker
Communication Options	TCP/IP, RS232, RS485 (OSDP Compliant), USB-Aux, Wi-Fi
Ethernet	1000BASE-T
PoE+	Available - 802.3at
Wi-Fi	802.11ac 2X2MU-MIMO 2.4GHz/5GHz
Bluetooth	4.2LE
# of SPOs and SPIs	3 and 3
Door Access Controller	1A (1-Output, 2-Input, 1-Relay)
Door Strike Supply	12V - 24V (500mA - 250mA)
Anti Shock Vandal Protection	Standard
Battery Back-up	Li-ion 5000mAh (Sold separately)
HDMI	HDMI 2.0 out
Impact Protection	IK10
Water and Dust Ingress Protection	IP67
Auto On (Proximity Sensor)	Available
Wiegand (In & Out)	Customizable up to 512 bits
Panel Feedback	Available (2 Physical Lines)
Power and Voltage	12V - 24V (3A - 1.5A)
Operating Temperature	-25 to 75° C (-13°F to 167°F)
Relative Humidity	0% ~ 95%, non condensing
Regulatory Approvals	RoHS, FCC, CE
Exterior Enclosure	Extruded Aluminium
Dimensions	27 x 9 x 9 cms (L x W x D)
Colors	Brushed Aluminium, Carbon Black



TITAN FPU

TITAN FV

TITAN FPLV

## HIGHLIGHTS

DUAL BIOMETRICS (MULTIMODAL)

UPTO 4 FACTOR AUTHENTICATION

12 TO 18 USERS PER MINUTE

LIVENESS DETECTION

IP67 AND IK10

100K USERS FOR FACE RECOGNITION

FUNCTION KEYS FOR TIME TRACKING

VIDEO INTERCOM

VIDEO SURVEILLANCE

VIDEO STREAMING

STANDALONE ACCESS CONTROL

IDEAL FOR OUTDOOR INSTALLS

VANDAL PROTECTION

3G/LTE

SOFTWARE INCLUDED

## MODELS

	FACE	FINGER VEIN	FINGERPRINT MULTISPECTRAL	FINGERPRINT OPTICAL	iCLASS SE	IXM RFID	COLOURS
TITAN FV1	✓	✓					CARBON BLACK BRUSHED ALUMINIUM
TITAN FV2	✓	✓				✓	CARBON BLACK BRUSHED ALUMINIUM
TITAN FV5	✓	✓			✓		CARBON BLACK BRUSHED ALUMINIUM
TITAN FPLV1	✓		✓				CARBON BLACK
TITAN FPLV2	✓		✓			✓	CARBON BLACK
TITAN FPLV5	✓		✓		✓		CARBON BLACK
TITAN FPU1	✓			✓			CARBON BLACK BRUSHED ALUMINIUM
TITAN FPU2	✓			✓		✓	CARBON BLACK BRUSHED ALUMINIUM
TITAN FPU5	✓			✓	✓		CARBON BLACK BRUSHED ALUMINIUM





# ENHANCEMENT KIT

## For a Safe & Healthy Worksite

The Enhancement Kit is an accessory purpose built for the TITAN with an integrated Thermal InfraRed (TIR) Sensor for scanning the temporal body temperature of the person during face recognition. The user experience aligns with the Invixium values and is incredibly flawless.

Field upgradeable and easy to install, the Enhancement Kit epitomizes the Invixium design principles, like a stunning blazer for the TITAN. Available in 2 colors with 2 cabling options, the TITAN Enhancement Kit is the best thing to happen to the TITAN since the TITAN.



Fever  
Detection



Field  
Upgradeable



Heat  
Vents



Color  
Options



## TECHNICAL SPECIFICATIONS

TIR Sensor FOV	110 degrees
TIR Sensor Accuracy	+/- 0.5° Celsius
Temperature Reading	Celsius and Fahrenheit
Temperature Rating	-25 to 75° C (-13°F to 167°F)
Impact Rating	IK10
Power	Via TITAN
Anti-Shock Vandal Protection	Available via TITAN
Gang Box Compatibility	Compatible
Color Options	Black Copper, Aluminium Black
Dimensions	32 x 11.5 x 3 cms (L x W x D)

