

# 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)

## Finger Vein

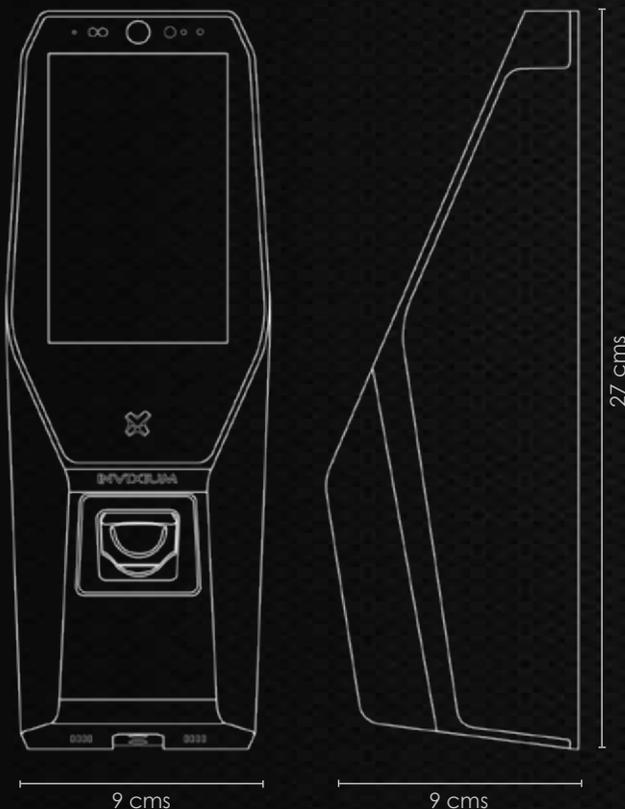
- Patented Technology from Hitachi
- Liveness Detection
- Increased privacy (No latent prints)
- Virtually contactless

## Multispectral Fingerprint

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

## 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<br>Optical Fingerprint  |
| Transaction Log Capacity        | > 1 million   |
| Image Log Capacity              | 10K Images  |
| Matching Speed                  | < 1 second  |
| RFID Card Options               | IXM RFID – MiFARE Classic / DESFire /<br>DESFire EV1 / EM Prox<br>iCLASS SE – MiFARE Classic/ DESFire/<br>DESFire EV1 / EM Prox/ HID Prox/ iCLASS<br>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<br>BRUSHED ALUMINIUM |
| TITAN FV2   | ✓    | ✓           |                           |                     |           | ✓        | CARBON BLACK<br>BRUSHED ALUMINIUM |
| TITAN FV5   | ✓    | ✓           |                           |                     | ✓         |          | CARBON BLACK<br>BRUSHED ALUMINIUM |
| TITAN FPLV1 | ✓    |             | ✓                         |                     |           |          | CARBON BLACK                      |
| TITAN FPLV2 | ✓    |             | ✓                         |                     |           | ✓        | CARBON BLACK                      |
| TITAN FPLV5 | ✓    |             | ✓                         |                     | ✓         |          | CARBON BLACK                      |
| TITAN FPU1  | ✓    |             |                           | ✓                   |           |          | CARBON BLACK<br>BRUSHED ALUMINIUM |
| TITAN FPU2  | ✓    |             |                           | ✓                   |           | ✓        | CARBON BLACK<br>BRUSHED ALUMINIUM |
| TITAN FPU5  | ✓    |             |                           | ✓                   | ✓         |          | CARBON BLACK<br>BRUSHED ALUMINIUM |