IXM **TITAN**

Touchless Access Control with Healthy Workforce and Visitor Management.

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 accommodate evolving work environments, TITAN incorporates touchless face recognition with or without masks, mask detection, fingerprint and finger vein modality and multifactor authentication to be the pinnacle in physical security. Install either in-wall or on-wall for the most convenient user experience.

TITAN meets the access control challenges of today and tomorrow with a plethora of soul-arresting features. Featuring a 21-megapixel camera, TITAN can perform face recognition with or without a mask and mask detection with unmatched speed and accuracy. Robust storage for users and transactions as well as an incredibly high throughput set TITAN a cut above. With the Enhancement Kit installed, TITAN boasts a thermal infrared thermographic camera for rapid temperature screening. And now – all of TITAN's core functions support fully touchless operation.

Face Recognition	Fingerprint	Finger Vein	All Cards Accepted
Temperature Detection*	Mask Detection	5.0" LCD	Aluminium Shell

The Most Advanced Biometric Product Ever Engineered.

*Requires Enhancement Kit

RS2 Technologies is an Invixium Authorized Reseller.
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BIOMETRIC SPECIFICATIONS

Face Recognition

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

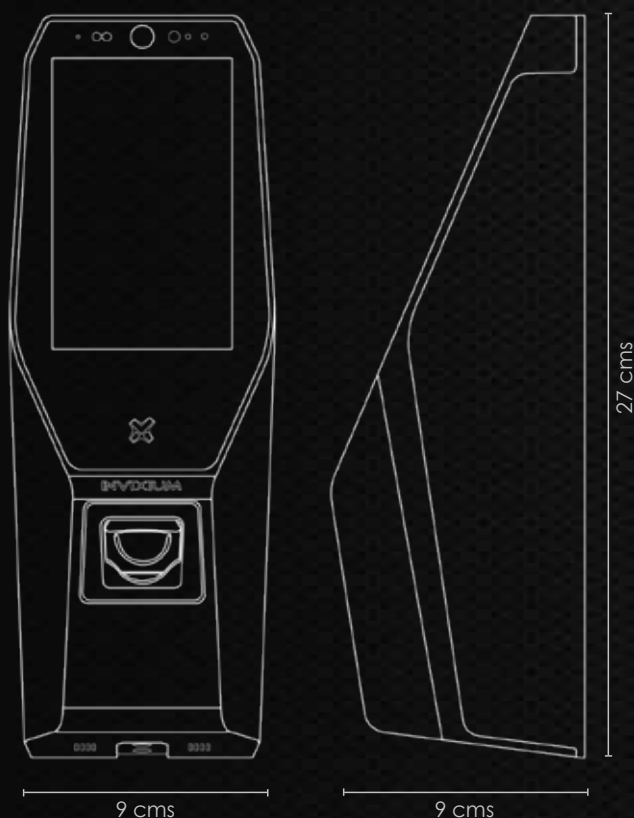## Multispectral Fingerprint

- 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

27 cms

9 cms   9 cms

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	Black/Copper, Brushed Aluminium

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TITAN FV

TITAN FPLV

TITAN FPU

HIGHLIGHTS

Dual Biometrics (Multimodal)	Upto 4 Factor Authentication	12 to 18 Users Per Minute
Liveness Detection	Upgrade For Temperature Screening	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	4G/LTE	IP67 and IK10

MODELS

	Face	Finger Vein	Fingerprint Multispectral	Fingerprint Optical	iClass SE	IXM RFID	Colours
TITAN FV1	✓	✓					Black / Copper Brushed Aluminium
TITAN FV2	✓	✓				✓	Black / Copper Brushed Aluminium
TITAN FV5	✓	✓			✓		Black / Copper Brushed Aluminium
TITAN FPLV1	✓		✓				Black / Copper
TITAN FPLV2	✓		✓			✓	Black / Copper
TITAN FPLV5	✓		✓		✓		Black / Copper
TITAN FPU1	✓			✓			Black / Copper Brushed Aluminium
TITAN FPU2	✓			✓		✓	Black / Copper Brushed Aluminium
TITAN FPU5	✓			✓	✓		Black / Copper 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 with a thermographic camera for detecting Elevated Body Temperature (EBT) in a person. This peripheral enhancement aligns with Invixium's core values and adds to an already incredibly flawless user experience.

Field upgradeable and easy to install, the Enhancement Kit epitomizes Invixium's design principles like a stunning blazer for the TITAN.

Available in 2 colors and suitable for both in-wall and on-wall cabling, the TITAN Enhancement Kit is the best thing to happen to the TITAN since the TITAN.

| EBT Detection | Field Upgradeable | Heat Vents | Color Options |

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TIR Sensor

Mounting Holes

Cable Cavity

Vents

TECHNICAL SPECIFICATIONS

TIR Sensor FOV	56 degrees
TIR Sensor Accuracy*	+/- 0.5 °C (+/- 0.9 °F)*
Temperature Reading	Celsius and Fahrenheit
Operating Temperature	-10 to 60 °C (14 to 140 °F)
Impact Rating	IK10
Power	Via TITAN
Anti-Shock Vandal Protection	Available via TITAN
Gang Box Compatibility	Compatible
Color Options	Black/Copper, Brushed Aluminium
Dimensions	33 x 11.5 x 5.5 cms (L x W x D)

*To achieve accuracy within +/- 0.5 °C:
  Install the device in an area with an ambient temperature of 10 – 40 °C (50 – 95 °F)

5.5 cms

33 cms

11.5 cms

4.8 cms