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SECURING THE U.S. and the GLOBE since 1989

T-Read IXM

The Solution for Workplace Security and Wellness

T-Read IXM is powered by the cutting-edge Snapdragon 820 processor to achieve the ultimate processing power, connectivity, graphics, face detection, reliability, and battery efficiency. Engineered for the challenges of today and tomorrow, T-Read is a cut above its competitors with room to scale. To meet modern demands in access control, workforce management, and wellness screening, this solution's features promote workplace wellness and entrance security to give employees and management the peace of mind they need to get back to work.

Relevant features include multi-factor authentication using any combination of multiple biometrics (face recognition, finger vein, fingerprint), mobile credentials (digital card, dynamic QR code), and traditional credentials (card, PIN). An unmatched throughput of up to 15-18 people per helps you reduce crowding and improve convenience. The flawless user experience is rounded out by a 21-megapixel camera for face recognition and vital signs screening, a 5 MP thermal camera for temperature screening*, a 5" Glass LCD for notifications, instructions, and attestation questions, and advanced connectivity options.

- Face Recognition
- Fingerprint
- Finger Vein
- Physical & Digital Cards
- Temperature Detection*
- Mask Detection
- IXM Mobile Compatible
- Aluminium Shell

The Most Advanced Biometric Product Ever Engineered.

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*with the add-on Enhancement Kit

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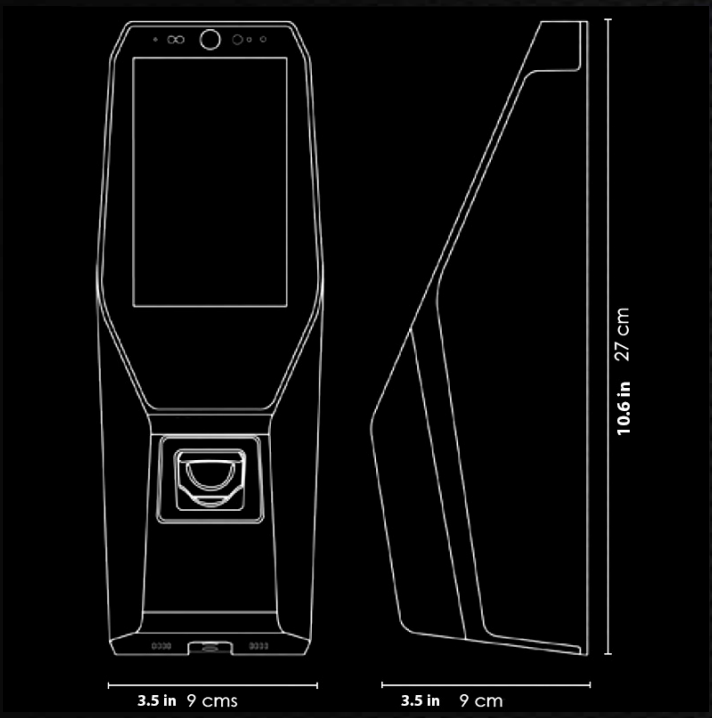
BIOMETRIC SPECIFICATIONS

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 / EV2 / EM Prox iCLASS SE – MiFARE Classic/ DESFire/ DESFire EV1/ EV2/ EM Prox/ HID Prox/ iCLASS Standard/SE/SR/Seos/PIV II

*DESFire EV2 cards are supported by having backward compatibility of DESFire EV1 cards.

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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
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
Outdoor Rating	IK10 & IP67
Auto On (Proximity Sensor)	Available
Wiegand (In & Out)	Customizable up to 512 bits
Panel Feedback	Available (2 Physical Lines)
Digital Credentials	QR Code, Dynamic QR Code, Digital Card
Vital Signs Screening	Yes
Attestation Questionnaire	Yes (via LCD or Voice Command)
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)

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T-Read FV

T-Read FPLV

T-Read FPU

HIGHLIGHTS

Dual Biometrics (Multimodal)	Multi-Factor Authentication	Digital Credentials Accepted
All Cards Accepted	12 to 18 People per Minute	Liveness Detection
Digital Attestation	Vital Signs Screening	Upgrade for Temperature Screening
Standalone Access Control	Vandal Protection	Industry-Standard Encryption
Multiple Connectivity Options	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

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ENHANCEMENT KIT

For a Safe & Healthy Worksite

The Enhancement Kit is an accessory with an integrated Thermal Infrared (TIR) Camera for detecting Elevated Body Temperature (EBT) in a person. This add-on enhancement aligns with our core values and enhances an already flawless user experience.

Field upgradeable and easy to install, the Enhancement Kit epitomizes our design principles with its optimal functionality.

Available in 2 colors and suitable for both in-wall and on-wall cabling.

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

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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 – 104 °F)