L-1 IDENTITY SOLUTIONS™

BIOSCRYPT
ENTERPRISE ACCESS SOLUTIONS

4G V-Flex™

Features at a glance

- Large Template Storage Capacity (10,000 in 1:N; 500,000 in 1:1)

- Optional Integrated Card Readers (Prox, iClass or MIFARE/DESFire)

- Range of 500 DPI Sensor Options

- Field Replaceable Sensors

- Backwards Compatible

- Remote Device Management

- IP Connectivity (LAN, WAN, POE)

- Easy Administration with SecurAdmin™

- Flush or Recess Mounted

- Standalone Door Access Control (SDAC) Capabilities

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Power and Flexibility in a Compact Design

Need a compact device but still require strong biometric capabilities and deployment flexibility? 4G V-Flex is the right solution for you.   A variety of models are available to address a wide range of deployment scenarios, from small template requirements to scaling up to address 500,000 templates or virtually an unlimited number of users with smart cards.

Recess Mounted

Range of 500 dpi Sensor Options

Prepare for Future Demands with a Scalable Platform

Quick throughput, deployment flexibility, and the ability for the system to expand over time meet the demands of today and will be drivers for future requirements.
- Ensure employees gain access fast, 4G searches 6,000 templates per second.
- Accommodate enterprise installs with massive on-board storage of 500,000 templates for 1:1 verification
- Eliminate the need for Cards and PINs with the ability to store 10,000 templates for 1:N identification

Meet Challenging Security Requirements

A full range of options are available for different security requirements with multi-factor authentication combining fingerprint, cards and PINs.
- Remove install constraints with a wide range of configurable options for multi-factor authentication.
- Reduce cost and complexity for single door access control with built-in door relay and controls
- Add safety and security measures for employees with the duress finger option
- Have peace of mind with tamper detection built in for added security

Reduce Maintenance Costs

Save time and drive down the cost of ownership with a communication-ready connected smart device, containing new installation and maintenance capabilities.
- Leverage the latest communication standards - Full Ethernet, POE, RS485
- Maintenance is quick and easy with our Innovative field replaceable sensor modules.
- Take full advantage of IP connectivity for Remote device management.

Leverage Existing Infrastructure

Confront migration costs and effort with a device that is backwards compatible and purpose built to work with security industry technologies.
- Eliminate the need for re-enrollment with support for all Bioscrypt legacy template formats
- Leverage existing Bioscrypt integrated systems - works with existing BioSDK integrations with PAC partner applications

4G V-Flex™

Product Specifications

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Dimensions	Recessed Mounted: Height 6.27" (159 mm) Width 3.8" (96 mm) Depth 1.89" (48 mm) Flushed Mounted: Height 6.27" (159 mm) Width 3.8" (96 mm) Depth 2.56" (65 mm)
Communications	Networking Options: LAN, WAN, RS485 PC Connection: USB, RS232
External Media	USB memory

Input / Outputs	Wiegand (Customizable format up to 256 bits)
	  • 3 General Purpose Inputs
	  • 3 General Purpose Outputs (Extendable to 6 outputs)

Fingerprint Sensor Options	UPEK TCS1, Secugen Optical (All 500 dpi)
Internal Card Reader Options	V-Flex 4G (Prox) – integrated reader for proximity cards V-Flex 4G (Smart) – Integrated card reader for iClass or MIFARE/DESfire cards
Template Storage Capacity	V-Flex 4G (Base) – Store 10,000 templates for 1:N identification or 500,000 templates for 1:1 verification with an external reader V-Flex 4G (Prox) – Store 500,000 templates for 1:1 verification or 10,000 templates for 1:N identification V-Flex 4G (Smart) – Template on-card capability provides limitless user base expansion, store 10,000 templates for 1:N identification
Transaction Log Capacity	1 Million transaction logs stored on device

Authentication Modes	V-Flex 4G (Base)
	  • Finger-only single-factor authentication
	  • Card or PIN + Finger (with an external reader)
	V-Flex 4G (Prox)
	  • Prox Card + Finger
	  • Prox Card Only
	  • Finger Only
	V-Flex 4G (Smart Card)
	  • Smart Card + Finger
	  • Card Only
	  • Finger Only

Template Support	Bioscrypt Pattern and Minutia
Power over Ethernet (POE)	Standard
Voltage	12 - 24V DC
Current Draw	500 mA, 0.5 amps @ 12 VDC
Power Indicator	LED indicator (Blue)
Integrated Door Relay	Deadbolt, electromagnetic (EM) lock, door strike, automatic door
Mounting	Recessed or Flush mount with field replaceable sensors for easy maintenance
Operating Temperature	32° - 140°F (0° - 60°C)
Regulatory Approvals and Certifications	FCC, CE , R&TTE, RoHS
Administration Software Options	Works with SecureAdmin™ software or SecureSDK™

Device Models

	4G V-Flex (Base)	4G V-Flex (Prox)	4G V-Flex (iClass)	4G V-Flex (MiFare/DESFire)
Secugen Optical Sensor	4GFXS	4GFXSP	4GFXSH	4GFXSG
UPEK TCS1 Sensor	4GFXU1	4GFXU1P	4GFXU1H	4GFXU1G

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About L-1 Identity Solutions Enterprise Access Division

With over 350,000 readers deployed in over 90 countries, the Enterprise Access Division of L-1 protects and secures identities and assets by helping customers address demanding access control and identity authentication requirements with innovative and reliable systems.

Our Advantage:

- One of the most established companies that specialize in biometric access control solutions.

- Market-tested and customer proven solutions that are interoperable, and designed to grow with you.

- Knowledgeable technical support team ready to help prepare you for deployment and to answer any questions.

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