



## Product Data Sheet

# 4GFXS

V-FLEX™ 4G / V-Flex 4G / Secugen Optical

### 4G Technology

The next generation of the Bioscrypt V-Flex fingerprint reader is built on the new 4G technology platform that transforms an access control device into a flexible and smart security appliance through improved performance, usability and scalability.

### State-of-the art biometric authentication

The V-Flex 4G is equipped with state-of-the art biometric and multi-factor authentication, powerful on-board processing for rapid and accurate authentication, sophisticated storage, extensible memory. V-Flex 4G combines reliability and performance with new advanced features to deliver a smart security appliance with built-in flexibility to help secure any size premises.

The new V-Flex 4G incorporates innovative and powerful capabilities and is ready for future expansion as the security industry continues to evolve. Invest in the most advanced biometric device today that is future-ready for tomorrow's organizational growth and security industry advancements.

### V-Flex 4G (Base)

#### Single-factor Fingerprint Authentication

Experience the ultimate in convenience. Eliminate the need for PINs or cards to gain access to secure areas. Reduce administrative and human resource costs while quickly providing employees with access to restricted areas – it is as simple as the touch of a finger.

- Single-factor authentication using just your finger
- Store 10,000 templates for 1:N identification or 100,000 templates for 1:1 verification with an external reader
- Ability to interface with external proximity card or PIN pad readers



### Standard Features

- Large Template Storage Capacity (10,000 in 1:N; 100,000 in 1:1)
- Single- or Two-Factor Authentication
- Optional Integrated Card Reader (Prox or MIFARE/DESFire)
- Range of 500 DPI Sensor Options (On Demand)
- Field Replaceable Sensors
- Backwards Compatible
- Remote Device Management
- IP Connectivity (LAN, POE) (Standard) (Wifi) (On Demand)
- Easy Administration
- Flush or Recess Mounted
- Standalone Door Access Control (SDAC) Capabilities

# 4GFXS

V-FLEX™ 4G / V-Flex 4G / Secugen Optical

## Specifications

Dimensions	
Recessed Mounted:	
Length	159mm (6.27")
Width	96mm (3.8")
Depth	48mm (1.89")
Flushed Mounted:	
Length	159 mm (6.27")
Width	96 mm (3.8")
Depth	65 mm(2.56")
Communications	
Networking Options	LAN, WAN, RS485
PC Connection:	USB, RS232
External Media	USB Memory
Input/Outputs	
	Wiegand (Customizable format up to 254 bit)
	3 general purpose inputs
	3 general purpose outputs (Extendable to 6 outputs)
Fingerprint Sensor Options	
Standard	Secugen Optical (all 500 dpi)
(On Demand)	UPEC TCS1, UPEK TCS2
Internal Card Reader	
V-Flex 4G(Prox)	Integrated Reader for proximity Cards
V-Flex 4G(Smart)	Integrated Reader for Mifare/DESFire cards
Template Storage Capacity	
V-Flex 4G (Base)	10,000 for 1:N identification or 100,000 for 1:1 verification with an external reader
V-Flex 4G (Prox)	100,000 for 1:1 verification or 10,000 for 1:N identification
V-Flex 4G (Smart)	Template on-card capability provides limitless user base expansion
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
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 mount
	Flush mount with "Quick Tilt" design
Operating Temperature	0° - 60°C (32° - 140°F )
Approvals and Certifications	FCC, CE , R&TTE, RoHS
Administration Software Options	Works with Secure Admin Software

## V-Flex 4G (Prox)

Two-factor Authentication Combining Fingerprint and Proximity Cards  
Eliminate any concerns about stolen, loaned or compromised proximity cards. Match an employee's fingerprint with an enrolled template that is linked to a proximity card in order to confirm the identity of the card holder.

- Integrated prox card reader
- Two-factor authentication – Who You Are (biometric) used with What You Have (card)
- Three device authentication modes
- Store 100,000 templates for 1:1 verification or 10,000 templates for 1:N identification

## V-Flex 4G (Smart)

Two-factor Authentication Combining Fingerprint and Contactless Smart Cards  
Address privacy concerns by giving employees the ability to control their own biometric template. Employees have the security – and peace of mind – of carrying their fingerprint templates with them.

- Integrated card reader MIFARE or DESfire cards
- Two-factor authentication – Who You Are (biometric) used with What You Have (smart card)
- 1:1 Verification; template on-card capability provides limitless user base expansion

## Ordering Information

Part No.	Description
4GFXS	V-FLEX 4G / Base Model / Optical Secugen Sensor
4GFXSP	V-FLEX 4G / Prox Model / Optical Secugen Sensor
4GFXSG	V-FLEX 4G / MIFARE/DESfire / Optical Secugen Sensor

