

COGENT  SYSTEMS



- Smart-Gate is a 1:1 biometric reader
- Provides state of the art two factor verification
- Smart-Gate provides the highest level of fingerprint biometric performance and accuracy.
- Biometric templates are stored on a Mifare contactless smartcard and not a network database, users are assured that their bio identity remains securely in their possession at all times.
- Offers full Easy Step™ Integration with Keyscan Access Control Systems when used with Keyscan's K-SECURE 1K credential for single finger enrollment and the K-SECURE 4K credential for two finger enrollment.
- Customizable Wiegand output up to 128 bits. Ideal for integration with any access control system

Smart-Gate

1:1 Biometric Reader with contactless Mifare Smartcard Reader

FEATURES AND BENEFITS

- Powered by Cogent Systems SecurASIC chip and preeminent matching algorithm (as established by the National Institute of Standards and Technology)
- Offers three modes of Operation:
 - Keyscan Integrated Mode: Uses K-SECURE AES encrypted Mifare contactless smartcards with Easy Step™ single software card enrollment with 'bio at the reader' enrollment technology.
 - Pass-through Mode: Connect any manufacturers proprietary reader to the Smart-Gates Wiegand input. Upon bio template validation the Smart-Gate passes through the received Wiegand. *
 - Cogent Standard Mode: Bio template is stored on a K-Secure or Mifare contactless smartcard with versatile and fully customizable Wiegand output.
- Ideal for use on other access control systems
- Onboard relay suitable for single door stand-alone applications
- Comes complete with SecurSetup™ software

*Bio Validation requires K-Secure or Mifare Credentials to store the individuals bio template.

SPECIFICATIONS

Fingerprint Sensor	Silicon sensor (500 dpi)
Enrollment Method	Single finger, multiple enrollments
Extraction & ID Time	~ 1.5 seconds
FRR	FRR 0.1 % - 0.001%
FAR	FAR 0.01% - 0.001%
Security Level	Configurable
Allowable Finger Rotation	+/- 15°
Template Size	748 bytes
Template Storage	1,200 templates
I/O Interface	RS232, RS485
Baud Rate	9600 –115 Kbps programmable
Ethernet	10/100
MIFARE® Cards	14443 A and K-Secure
Wiegand I/O	Programmable up to 128 bits
DC Power	6 - 12V DC standard input (12 - 48V CC jumper setup) Fully 802.3af compliant, 12~60V DC (jumper setting) for non 802.3af standard
Power-over-Ethernet (PoE)	Standby: 200 ma @ 12V
Current	Operational: 280 ma @ 12V
Operating Temperature	0 to 55 °C (32 to 121 °F)
Physical Dimensions	5.42" x 3.14" x 2.28" (137.7 mm x 79.7 mm x 57.9 mm)
Weight	0.9 ounces (0.3 kg)

KEYSCAN INC.

901 Burns Street East
Whitby, Ontario L1N 6A6
Phone: 905.430.7226 Toll Free: 1.888.539.7226 Fax: 905.430.7275
www.keyscan.ca

Want more information? Contact your local representative at: