

ID-Gate





- » GSA-approved fingerprint sensor (exceeding FIPS 201-PIV requirements)
- » GSA-approved fingerprint encoder and matcher
- » INCITS 378-2004 interoperable minutiae format (MINEX tested)
- » Dual contact & contactless card CHUID readers
- » Support of PKI, with ability to output PIV or AUTH Certs for OCSP validation
- » Customizable 128-bit FASC-N output
- » Waterproof fingerprint capture
- » Power-Over-Ethernet
- » IP64 (NEMA4) casing for outdoor use
- » Over 10 configurable modes of operation

Cogent's ID-Gate is a multi-function, biometrically-secured access control device that is FIPS 201-PIV and TWIC compliant. The ID-Gate features an integrated keypad, a contact and contactless smart card reader, and fingerprint scanner all in one device. It is packaged in a weatherized case that provides an Ingress Protection level of 64 or NEMA 4, which is suitable for outdoor environments. For locations with extreme temperatures, the ID-Gate can be ordered with an additional thermal control unit.

The ID-Gate can be used either to verify government-issued credentials prior to card issuance or to positively identify the holder of a government-issued credential. In a Physical Access Control System (PACS), it is used to verify a card holder's Card Holder Unique Identifier (CHUID), biometric data and digital signatures.

The ID-Gate is capable of performing a complete digital signature validation and can be configured to output the PIV or AUTH Cert for validation with an Online Certificate Status Protocol (OCSP). During biometric verification, the ID-Gate captures the fingerprint image, performs quality checks, extracts minutiae, and performs biometric verification against the templates retrieved from the PIV or TWIC card. If the biometric verification is successful, the pre-configured output is transmitted to the PACS, where additional rights and access policies are checked to determine if the user has access to the requested area.

Multi-Factor Access Control

Fingerprint Algorithm	GSA FIPS 201 program approved
Fingerprint Sensor	CSD200 optical sensor (500 dpi, GSA FIPS 201 program approved)
Image Capture Size	320 x 480 pixels
Enrollment Method	Single-finger, multiple enrollments (for non-PIV application)
Allowable Finger Rotation	+/- 180° (default +/- 45°)
I/O Interface	RS232, RS485/Ethernet
Baud Rate	9600 - 115 kbps programmable
Ethernet	10/100 MB
Contact Smart Card Reader	ISO 7816 reader
Contactless Smart Card Reader	ISO 14443 - A/B, DESFire
LCD Display	Customizable Multi-line OLED display
LED	Tri-color LED for status indication
Keypad	Durable weather-resistant keypad
Wiegand	Programmable up to 128 bits
I/O Power	12 - 48 V DC standard input (12 - 48 V DC selectable) Current 300 mA @ 12V, P.O.E fully 802.3af compliant
Operating Temperature	0° - 55° C (32° - 131° F)
Physical Dimensions	209.55 X 241.3 X 101.6 mm (8.25 X 9.5 X 4 in.)
Weight	0.9 kg (2 lbs)
Device Management Software	Cogent SecurSetup software (included)
Model Options	Indoor: ID-Gate/I; Outdoor: ID-Gate/O, additional outdoor housing available
Operational Modes	Over 10 configurable modes of operation
Ingress Protection	IP-64/NEMA 4
Certification	  RoHS Compliant

*Product specifications are subject to change without notice.