Biometric
Access Control

MiY Product Line

By aligning biometric technology with semi- or fully-intelligent readers and services, 3M Cogent's MiY Biometric Access Control Reader product line demonstrates our ongoing commitment to solving our customers' evolving business challenges. The first of its kind, the MiY product line provides indoor and outdoor biometric access control solutions with built-in TLS encrypted Ethernet support and Sandbox development framework.

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Benefits and Features

- Flexible
- Intuitive
- Scalable
- Easy to install
- Robust
- External USB for add-on devices
- Protected OTG port
- Sandbox API framework supported
- Full Audio
- UV Lighting (outdoor models)
- Non-mechanical Keypad (outdoor models)
- Touch-screen (indoor models)

Best-in-Class Biometrics

The 3M Cogent MiY product line offers a complete range of highly sophisticated, accurate, and customizable biometric physical access control readers that perform fast authentication and efficient entry while providing access security in a variety of environments. The readers feature an Ingress Protection design with built-in TLS encrypted Ethernet and PIV-approved matchers and scanners.

Pick Your Reader

- MiY-ID–Multi-purpose, multi-functional biometric access control reader. Uses fingerprint, PIN, contact and contactless smartcard. Meets current PACS standards for PIV, CAC, and TWIC, and can be easily customized to conform to changing standards.

- MiY-Card–Multi-purpose, multi-factor biometric access control reader. Uses fingerprint, PIN, and contactless smart card.

- MiY-Search–Multi-purpose, two-factor biometric access control reader. Uses fingerprint and PIN.

- MiY-Touch–Indoor touch-screen biometric access control reader with built-in time & attendance features. Uses fingerprint, PIN, and optional detachable contact or contactless smart card reader.

- MiY Security Manager–A comprehensive management system developed to optimize the MiY Readers' Biometric Access Control product line. Facilitates management of the devices, making the addition to existing access control systems simple and cost effective.

Customization

The ground-breaking "Make it Yours" Sandbox SDK developed for our MiY readers allows third-party customization of almost all parts of the product, leveraging future technologies as they are introduced.

3M Cogent's SecurAPI has over 500 functions, allowing integrators to create customized workflows with existing hardware and third-party hardware via the secure USB port. Possibilities include disarming an area upon authentication, barcode reading, delivering personal messages while performing time and attendance, and using the device as an intercom with Voice-Over-IP.

The GateApp software, which is included with every MiY reader, provides the end-user experience and access control functionality of the MiY product line. GateApp is based on 3M Cogent's Sandbox API, a comprehensive and extendible set of core components for rapid application development on the MiY devices. This gives integrators great flexibility without compromising security.

Beyond Comparison

	MiY-ID/MiY-ID-GOV	MiY-Card/MiY-Card-GOV	MiY-Search	MiY-Touch
Fingerprint Algorithm	GSA FIPS 201 PIV approved matcher or 3M Cogent proprietary	GSA FIPS 201 PIV approved matcher or 3M Cogent proprietary	3M Cogent proprietary	GSA FIPS 201 PIV approved matcher or 3M Cogent proprietary
Liveness Detection	Yes, GOV Model	Yes, GOV Model	N/A	N/A
Fingerprint Sensor	500 ppi optical sensor, FIPS 201 PIV Approved	500 ppi optical sensor, FIPS 201 PIV Approved	500 ppi optical sensor, FIPS 201 PIV Approved	500 ppi capacitive sensor, FIPS 201 PIV Approved
Image Capture Size	480 x 320 pixels	480 x 320 pixels	480 x 320 pixels	360 x 256 pixels
Enrollment Method	Single-finger, multiple enrollments	Single-finger, multiple enrollments	Single-finger, multiple enrollments	Single-finger, multiple enrollments
Allowable Finger Rotation	+/- 45º	+/- 45º	+/- 45º	+/- 45º
I/O Interface	RS485, USB 2.0, Secure OTG port	RS485, USB 2.0, Secure OTG port	RS485, USB 2.0, Secure OTG port	RS485, USB 2.0, Secure OTG port
Ethernet	10/100, TLS encryption	10/100, TLS encryption	10/100, TLS encryption	10/100, TLS encryption
Memory	256 MB, 4 GB secure SD flash, 2 GB secure NAND flash	256 MB, 4 GB secure SD flash, 2 GB secure NAND flash	256 MB, 4 GB secure SD flash, 2 GB secure NAND flash	256 MB, 4 GB secure SD flash, 2 GB secure NAND flash
Contact Smart Card Reader	PC/SC ISO 7816	N/A	N/A	Optional module: PC/SC ISO 7816
Contactless Smart Card Reader	PC/SC ISO 14443 MiFare/DESFire with optional ISO 15693 iClass	PC/SC ISO 14443 MiFare/DESFire/EV1 or MiFare Plus	N/A	Optional module: PC/SC ISO 14443 MiFare/ DESFire/EV1 and ISO15693 iClass
LCD Display	2.7 in. color LCD screen	2.2 in. color LCD screen	2.2 in. color LCD screen	3.5 in. color LCD touch screen
Device Mode Indicator	6 multi-color status LEDs	4 multi-color status LEDs	4 multi-color status LEDs	Rear illumination ring and touch screen display
Keypad	21 key non-mechanical	12 key non-mechanical	12 key non-mechanical	Touch screen keypad
Wiegand	Programmable up to 256 bits	Programmable up to 256 bits	Programmable up to 256 bits	Programmable up to 256 bits
I/O Power	12 V DC standard input, 500 mA, POE fully 802.3af compliant	12 V DC standard input, 400 mA, POE fully 802.3af compliant	12 V DC standard input, 300 mA, POE fully 802.3af compliant	12 V DC standard input, 400 mA, POE fully 802.3af compliant
Operating Temperature	-4º F to 158º F (-20º C to 70º C)	-4º F to 158º F (-20º C to 70º C)	-4º F to 158º F (-20º C to 70º C)	32º F to 122º F (0º C to 50º C)
Physical Dimensions	5.5 x 11 x 4.4 in (139.7 x 279.4 x 111.1 mm)	4.4 x 8.1 x 3.8 in (111.1 x 206.4 x 95.3 mm)	4.4 x 8.1 x 3.8 in (111.1 x 206.4 x 95.3 mm)	4.3 x 6.5 x 2.5 in (108.5 x 165.7 x 63.7 mm)
Weight	3.0 lb (1.36 kg)	2.0 lbs (0.90 kg)	1.80 lbs (0.81 kg)	1 lbs (0.45 kg) (card reader <0.1 lb.)
Device Management Software	MiY Security Manager, MiY Device Admin Tool	MiY Security Manager, MiY Device Admin Tool	MiY Security Manager, MiY Device Admin Tool	MiY Security Manager, MiY Device Admin Tool
Ingress Protection	IP 64	IP 65	IP 65	IP 54
Certification	FCC, CE, RoHS compliant, IC	FCC, CE, RoHS compliant, IC	FCC, CE, RoHS compliant, IC	FCC, CE, RoHS compliant, IC
GOV Model Certification	FIPS 201 PIV, TWIC approved, FIPS 140-2 certified crypto module, IC, FCC, CE, RoHS compliant	TWIC approved, FIPS 140-2 certified crypto module, IC, FCC, CE, RoHS compliant	N/A	N/A

Made in the USA from globally sourced material. Specifications subject to change without notice.

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