

TECHNICAL DATA SHEET

Gemalto Cogent MiY-ID Biometric Access Control Reader



Product Description

The MiY-ID Biometric Access Control Reader is an outdoor multi-purpose, multi-functional, customizable biometric physical access control reader. Designed to meet current Physical Access Control System (PACS) standards for PIV, CAC, TWIC, and others, MiY-ID is the one of the first readers of its kind to allow users the ability to securely customize a PACS reader while still maintaining compliance, and without sacrificing GSA APL certifications. Its outdoor design features a non-mechanical key pad, Ingress Protection Level (IP) 54, built-in TLS encrypted Ethernet, and PIV-approved matchers, scanners, and contactless CHUID readers. Supported by the "Make it Yours" application development platform, MiY-ID can virtually interface with PACS and government credentials. The MiY-ID's core product foundation and framework allows third party customization of almost any part of the product, leveraging future technologies as they are introduced. Gemalto SecurAPI has over 500 functions to create various types of workflow with the existing hardware or third party hardware via the secure USB port.

FEATURES

- > Easy to install
- > External USB for add-on devices
- > Protected OTG port
- > Sandbox API framework supported
- > PC/SC contact smart card reader
- > MIFARE®/DESFire/EV1 contactless card reader
- > HID iCLASS (optional)
- > FIPS 140-2 certified crypto module (optional for MiY-ID GOV model)

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SPECIFICATIONS

| | |
|----------------------------------------|---------------------------------------------------------------------------------------|
| Fingerprint Algorithm | GSA FIPS 201 PIV approved matcher or Gemalto proprietary |
| Fingerprint Sensor | 500 ppi optical sensor, FIPS 201 PIV approved |
| Liveness Detection | Available with Futronic sensor |
| Image Capture Size | 480 x 320 pixels |
| Enrollment Method | Single-finger, multiple enrollments |
| Allowable Finger Rotation | +/- 45° |
| I/O Interface | RS485, USB 2.0, Secure OTG port |
| Ethernet | 10/100, TLS encryption |
| Memory | 256 MB, 4 GB secure SD flash, 2 GB secure NAND flash |
| On-device Template storage | Up to 100k templates |
| On-device Template search speed | Up to 10k/second |
| Contact Smart Card Reader | PC/SC ISO 7816 contact smart card reader |
| Contactless Smart Card Reader | PC/SC ISO 14443 MiFare/DESFire contactless card reader with optional iClass ISO 15693 |
| LCD Display | 2.7 in color LCD screen |
| Keypad | 21-key non-mechanical keypad |
| Wiegand | Programmable up to 256 bits |
| I/O Power | 12 V DC standard input, 500 mA, POE fully 802.3af compliant |
| Operating Temperature | -4° F to 158° F (-20° C to 70° C) |
| Physical Dimensions | 4.4 x 4.4 x 11 in (111.1 x 139.7 x 279.4 mm) |
| Weight | 3.0 lbs (1.36 kg) |

Available Software and Software Development Kits (SDKs)

- > MiY Sandbox API
- > MiY Security Manager
- > MiY Security Manager for Government Credentials sold separately

Certifications

- > FIPS 201 PIV
- > FIPS 140-2 certified crypto module (optional for GOV model)
- > CE
- > FCC
- > RoHS compliant
- > Ingress Protection (IP54)

Important Notice

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