TECHNICAL DATA SHEET

Gemalto Cogent MiY-Card Biometric Access Control Reader

Product Description

The MiY-Card is an outdoor multi-purpose, multi-factor, customizable biometric physical access control reader designed to perform fast authentication and efficient entry. The MiY-Card's multi-factor identification capabilities combine contactless smart card, biometric fingerprint technology, and numerical pin. Its outdoor design features a non-mechanical key pad, Ingress Protection Level (IP) 55, built-in TLS encrypted Ethernet, and PIV-approved matchers, scanners, and contactless CHUID readers.

Fully supported by the "Make it Yours" sandbox SDK, the MiY-Card enables third-party customization of almost any part of the product, leveraging future technologies as they are introduced. Gemalto securAPI has many 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

> Full MIFARE®/DESFire/EV1 contactless card reader

> FIPS 140-2 certified crypto module (optional for MiY-Card GOV model)

> Full audio

> Compact design

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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
Contactless Smart Card Reader	PC/SC ISO 14443 MiFare/DESFire/EV1 contactless card reader or MiFare Plus
LCD Display	2.2 in color LCD screen
Keypad	12 key non-mechanical keypad
Wiegand	Programmable up to 256 bits
I/O Power	12 V DC standard input, 400 mA, POE fully 802.3af compliant
Operating Temperature	-4° F to 158° F (-20° C to 70° C)
Physical Dimensions	4.4 x 3.8 x 8.1 in (111.1 x 95.3 x 206.4 mm)
Weight	2.0 lb (0.9 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
> RoHS compliant
> Ingress Protection (IP55)

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