

TECHNICAL DATA SHEET

Gemalto Double-sided ID Card Reader CR5400



KEY STANDARD FEATURES & FUNCTIONALITY

- > Double-sided document imaging for ID1 size documents in 24-bit color
- > Configurable image resolution up to 630 DPI
- > Multiple wavelength illumination – visible, near infrared, and UV
- > Anti-Glare technology eliminates image artifacts due to laminate or OVDs
- > Automatic card detection and processing
- > Automatic card eject when reading is complete or when power is turned off
- > Windows® 10 compatible
- > USB 2.0 high speed compatible interface
- > Portrait position when inserting into the ID1 Reader
- > Elegant industrial design look and feel
- > Rugged and durable design
- > Industry standard ¼ x 20 threaded fittings to hold the ID1 Reader to a mounting device (tripod, kiosk, etc.; cradle option only)

Product Use

The Gemalto Double-sided ID Card Reader CR5400 inspects and images government issued identity documents ID1 sized (85 x 54mm) in a variety of market segments like Retail, Financial and Hospitality.

Comprehensive Software Features

- > Flexible software interface allows host application to select which illumination sources to use, image type, image compression, image resolution, photo extraction, reflection or ambient light elimination, color enhancement, which date groups to read
- > Images to be accessed as BMP, PNG or JPEG
- > Simple high level API for quick program development or detailed low level API for fine control of reader functions
- > Contactless IC reading for ePassports (LDS 1.7) including Active and Passive authentication, Basic Access Control, Extended Access Control (PKI 1.11) and Supplemental Access Control. The SDK provides writing capability using APDUs.
- > Full SDK including DLLs, code examples, utilities documentation and demonstration programs. Can be used with Visual C++®, Java®, and Microsoft® .NET Framework for Visual Basic® .NET and Visual C#

Reading Capability

- The Gemalto Double-sided ID Card Reader CR5400 reads the following:
- > ICAO compliant ID1 size in near infrared (IR) per ICAO 9303 specification
 - > ISO 14443 Type A and B contactless ICs at 13.56 MHz (optional)
 - > ISO 7810 and ISO 7811 AAMVA 3-Track Mag
 - > 1D barcodes (2 of 5 interleaved, Code 128, and Code 39)
 - > 2D barcodes (PDF 417, QR®, DataMatrix™ and Aztec formats)
 - > Non ICAO OCR with variable font types and size that displays biographical data found on global government issued IDs (optional)

Illumination

The reader illuminates documents in multiple wavelengths and lighting orientations:

- > Near IR B900, 880nm, +/-5%
- > White visible, 430-700nm
- > Ultraviolet A (UVA): 360-370nm

Resolution

- > Sensor: 10 Megapixels, CMOS, RGB 24 bit color system
- > Configurable image resolution, up to 630 DPI
- > High quality images suitable for reading barcodes and OCR
- > Upgradeable firmware via USB 2.0 interface
- > Non-volatile configuration and calibration accessed via USB 2.0 interface
- > Configuration can be saved to a file for backup or maintenance

Regulatory

- > FCC Part 15 Class A
- > UL, UL-C
- > CE, CB
- > WEEE/RoHS Directive 2011/65/EU

Operating Environment

- > Humidity: 20 to 95% (R.H. non-condensing)
- > Temp: 0° to 40° C operating; -20° to 50° C storage

Standard Dimensions

Imager Only

- > Length: 15.5 cm
- > Width: 10.8 cm
- > Height: 10.2 cm
- > Weight: < 1 kg or 2.2 lbs

Status Indicators

- > The Gemalto Double-sided ID Card Reader CR5400 has an illuminated card slot to enhance ease of use and provide user feedback for optical
- > The readers perform a power-up self-test and indicate failure using status LEDs.
- > Programmable via software SDK

Power

- > USB Powered Imager – USB Powered

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