DOCUMENT READER

Gemalto KR2400 OEM MRZ Reader

KEY STANDARD FEATURES & FUNCTIONALITY

> Imaging in 24-bit color and near-infrared (IR)

> 400 DPI imaging

> OCR data capture

> Complete access to OCR data and captured images via Software Development Kit (SDK)

> Images can be accessed as BMP, PNG or JPEG format

> Auto-triggering of document capture – presence of document is automatically detected

> Windows® 2000-SP4, Windows® XP, Windows Vista® or Windows® 7 compatible

> USB 2.0 high speed compatible

> Integrated USB 2.0 Hub – 2 ports for external

Product Use

The Gemalto KR2400 OEM MRZ Reader inspects and images Machine Readable Travel Documents (MRTDs) containing ICAO-compliant machine-readable text in a variety of market segments.

The reader's slim design makes it ideal for integration with self-serve type kiosks such as expedited traveler's gates and Common Use Self Service (CUSS) kiosks at airports.

Comprehensive Software Features

> Flexible software interface allows host application to select which illumination sources to use, image type, image compression, etc.

> Simple high level API for quick program development or detailed low level API for fine control of all reader functions

> SDK provides full configuration API

> Full SDK including DLLs and demonstration/support programs. Support for Visual C++®, Visual Basic®, Visual C++® Builder, Java®

Reading Capability Illumination

The Gemalto KR2400 OEM MRZ Reader reads the following:

> ICAO compliant documents in near infrared (IR) per ICAO 9303 specification Parts 1-4

> Effective read zone 125mm x 23.2mm per ICAO 9303 specification Parts 1-4

Illumination

The reader illuminates documents in multiple wavelengths

> Near IR B900, 880nm, +/-5%

> White visible, 430-700nm

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Resolution

> Sensor: 3.1 Megapixels, CMOS, RGB 24 bit color system
> Standard 400 DPI image resolution

Firmware Upgrade

> Upgradeable firmware via USB 2.0 interface
> Configurable via USB 2.0 interface
> Non-volatile configuration
> Configuration can be saved to a file for backup or maintenance
> Configuration can also be controlled by API in SDK

Regulatory

> FCC Part 15 Class A
> UL, UL-C
> CE, CB
> WEEE/RoHS[1]

Operating Environment

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

Standard Dimensions

> Length: 22.1 cm
> Width: 17.0 cm (6.4")
> Height: 5.3 cm
> Weight: < 1 kg

Minimum PC Specification

Software must be installed on a customer-supplied PC. The following minimum configuration is recommended:

> 1.7 GHz Pentium® 4
> 512 Mb DRAM
> USB 2.0
> 100 Mb of Hard Drive space for software
> Windows® 2000-SP4, Windows® XP, Windows Vista® or Windows® 7 operating systems, 32 and 64 bit

Power

The Gemalto KR2400 OEM MRZ Reader comes equipped with a power supply:

> Input voltage 100 - 240 VAC +/- 10%
> Frequency 47 - 63 Hz
> Detachable IEC320 AC mains power cable
> Power consumption is less than 7.5 Watts at 12-volts DC

Service & Maintenance

> One-year warranty
> 24-hour service request via toll-free number
> Annual maintenance agreement available

[1] RoHS compliant means that the product or part does not contain any of the following substances in excess of the maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS, as amended: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. This information representsGemalto's knowledge and belief, which may be based on information provided by third party suppliers to Gemalto.

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