

DOCUMENT READER

Gemalto QS1000 Document Reader



KEY STANDARD FEATURES & FUNCTIONALITY

- > Multiple document reading and imaging capability – imaging in 24-bit color
- > 400 DPI high resolution imaging
- > Scanning window 88mm x 125mm
- > Multiple wavelength illumination – visible and IR
- > OCR data capture
- > Complete access to OCR data and images captured via Software Development Kit (SDK)
- > Enables images to be accessed as BMP, PNG or JPEG format
- > Auto-triggering of document capture – presence of document is automatically detected
- > USB 2.0 high speed compatible
- > No moving parts and comes with an IP50 rating for dust ingress protection

Product Use

The Gemalto QS1000 Document Reader inspects and images Machine Readable Travel Documents (MRTDs) in a variety of market segments.

This includes applications that are primarily focused on data capture opportunities in hotels, casinos, liquor stores, bars, and rental car companies.

Comprehensive Software Features

- > Flexible software interface allows host application to select which illumination sources to use, image type, image compression, photo extraction 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

Reading Capability Illumination

The Gemalto QS1000 Document Reader reads the following:

- > ICAO compliant documents in near infrared (IR) per ICAO 9303 specification Parts 1-4
- > 1D barcodes (2 of 5 interleaved, Code 128, and Code 39)
- > 2D barcodes (PDF 417, QR, DataMatrix™ and Aztec formats) from paper documents and most mobile devices

Illumination

The reader illuminates documents in multiple wavelengths

- > Near IR B900, 880nm, +/-5%
- > White visible, 430-700nm

Resolution

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

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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

Regulatory

- > FCC Part 15 Class A
- > UL, UL-C
- > CE, CB
- > WEEE/RoHS¹

Operating Environment

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

Security

- > Keystone lock

Minimum PC Specification

Software must be installed on a customer-supplied PC. The following minimum configuration is recommended to maintain the processing speed indicated above:

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

Standard Dimensions

- > Length: 19.0 cm (7.5")
- > Width: 16.2 cm (6.4")
- > Height: 15.7 cm (6.2") (with light shield)
- > Weight: < 1 kg or 2.2 lbs

Status Indicators

The reader provides user feedback via the following status indicators:

- > Red - Read Error LED
- > Blue - Ready LED
- > Yellow - Busy LED
- > Green - Valid Read LED

The reader performs a power-up self-test and indicate failure using status LEDs.

Power

USB Powered

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 represents Gemalto's knowledge and belief, which may be based on information provided by third party suppliers to Gemalto.