

Thales Gemalto Document Reader QS1000

Identity & Biometric Solutions



Key standard features and functionality

- Multiple document reading and imaging capability
- Anywhere placement of ID cards
- 400 DPI high resolution imaging, imaging in 30-bitcolor
- Scanning window 88mm x 125mm
- Multiple wavelength illumination – visible and IR
- MRZ data capture as standard and optional software to decode VIZ data
- Complete access to OCR HRZ 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
- Rugged design, no moving parts and internally sealed optical chamber to prevent dust ingress
- Windows® 7, Windows® 8.1, Windows® 10, macOS and Linux® compatible

Product Use

The Gemalto Document Reader QS1000 captures data from travel and identity documents quickly and reliably in a wide variety of commercial applications, for instance 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 readerfunctions
- SDK provides full configuration API

VIZ Data Capture Option

Additional software can decode the OCR text in the visible zone (HRZ) from identity documents as well as many driving licenses:

- Automate data entry, no more manual typing or photocopying
- Form filling, including into web pages
- Can auto fill forms
- Increased accuracy for data entry
- Global coverage for documents

Reading Capability

The Gemalto Document Reader QS1000 reads the following:

- ICAO compliant documents in near infrared (IR) per ICAO 9303 specification
- One line Driving Licenses in near infrared (IR) per ISO18013 part 2 specification
- 1D barcodes (2 of 5 interleaved, 2 of 5 industrial, Code 128, Code 39, UPC-A, EAN-8 and EAN-13)
- 2D barcodes used on BCBP and other documents (PDF 417, QR Code®, DataMatrix™ and Aztec formats) from paper documents and many mobile devices

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Firmware Upgrade

- Upgradeable firmware via USB 2.0 interface
- Non-volatile memory for configuration and calibration accessed via USB 2.0 interface

Regulatory

- FCC Part 15 Class A
- UL, UL-C
- CB report
- CE - RED, LVD & EMC
- EU WEEE, REACH & RoHS Directive

Operating Environment

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

Security

- Kensington® Security Lock

Minimum PC Specification

Software must be installed on a customer-supplied PC, some aspects of read speed may be affected by PC specification. The following minimum configuration is recommended:

- 2 GHz Pentium® 4 CPU (Intel Core 2 Duo recommended)
- 1 GB DRAM
- USB 2.0
- 60 MB of Hard Drive space for software
- Windows® 7, Windows® 8.1 or Windows® 10 operating systems, 32 or 64 bit
- Builds for Ubuntu and CentOS LTS, 32 & 64 bit
- macOS (limited SDK functionality)

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

Illumination

The reader illuminates documents in multiple wavelengths

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

Resolution

- Standard 400 DPI image resolution, 3.1 Megapixel sensor
- Internal image processing RGB 30 bit color system

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 indicates failure using status LEDs.

Power

USB Powered, 5V maximum current 500mA

Service & Maintenance

- One-year warranty
- Annual maintenance agreement available

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