



SMARTDB 1.1

Product Profile

1 Description

SMARTDB is a product which allows reading and writing access to data in a database from a SUPER-FLASH application.

2 Functionalities

The functions made available by the SMARTDB product are as follows:

- connection to a Database
- execution of SQL commands with no returned data, to perform operations such as:
 - insert new records (INSERT)
 - cancel existing records (DELETE)
 - update existing records (UPDATE)
 - execute a stored procedure
 - ...
- data reading: by using a recordset object through specific commands (i.e. SELECT), it is possible to extract data from the database: you can read records and move the cursor within the recordset
- disconnection from the Database

3 Limitations

The limitations of SMARTDB are as follows:

- it is only possible to connect up to Databases which have an OLE DB for ADO data provider or an ODBC driver, typically offered by database producer or directly by Microsoft. At the moment, Microsoft makes the following data providers available:

Area	Provider
ODBC databases	Microsoft OLE DB Provider for ODBC
Microsoft Indexing Service	Microsoft OLE DB Provider for Microsoft Indexing Service
Microsoft Active Directory Service	Microsoft OLE DB Provider for Microsoft Active Directory Service
Microsoft Jet databases	OLE DB Provider for Microsoft Jet
Microsoft SQL Server	Microsoft OLE DB Provider for SQL Server
Oracle databases	Microsoft OLE DB Provider for Oracle
Internet Publishing	Microsoft OLE DB Provider for Internet Publishing
Simple data sources	Microsoft OLE DB Simple Provider

- SMARTDB doesn't manage error messages in case of asynchronous operations (connection, command and recordset)

- SMARTDB doesn't manage stored procedures with output parameters
- SMARTDB doesn't manage stored procedure return value

4 Skills

The following skills are needed to be able to use SMARTDB:

- minimal theoretical knowledge of Database
- minimal knowledge of the databases used
- knowledge of the data provider for composition of the connection string
- knowledge of the SQL language for composition of the commands
- knowledge of the MICROC programming language

5 Minimum requirements

The minimum requirements for use of SMARTDB are:

- Windows 2000 or XP Operating System with ADO and OLE DB support
- Client for access to the Database (for Microsoft SQL Server integrated in the operating system)
- SUPER-FLASH version 3.9 and later. It is necessary to use SUPER-FLASH version 4.2 and later to manage UNICODE strings.

6 Supply

SMARTDB is distributed on CD-ROM and contains:

- SUPER-FLASH demonstration application
- SMARTDB Product
- PDF User Guide

The product can be downloaded directly from the FreeDownload page of the web site www.automa.it. You can run the product without a license for a maximum time of 15 minutes.