Microsoft Office Access

Access specifications

Applies to: Microsoft Office Access 2003

⊟ Hide All

Microsoft Access database specifications

⊟ Access database

Attribute	Maximum
Microsoft Access database (.mdb) (Microsoft Access database: A collection of data and objects (such as tables, queries, or forms) that is related to a particular topic or purpose. The Microsoft Jet database engine manages the data.) file size	2 gigabytes minus the space needed for system objects (system object: Database objects that are defined by the system, such as the table MSysIndexes, or by the user. You can create a system object by naming the object with USys as the first four characters in the object name.).
Number of objects in a database	32,768
Modules (including forms and reports with the **HasModule** property set to **True**)	1,000
Number of characters in an object name	64
Number of characters in a password	14
Number of characters in a user name or group name	20
Number of concurrent users	255

⊟ Table

Attribute	Maximum
Number of characters in a table name	64
Number of characters in a field name	64
Number of fields in a table	255
Number of open tables	2048; the actual number may be less because of tables opened internally by Microsoft Access
Table size	2 gigabyte minus the space needed for the system objects
Number of characters in a Text field	255
Number of characters in a Memo field	65,535 when entering data through the user interface; 1 gigabyte of character storage when entering data programmatically

Size of an OLE Object field	1 gigabyte
Number of indexes in a table	32
Number of fields in an index	10
Number of characters in a validation message	255
Number of characters in a validation rule	2,048
Number of characters in a table or field description	255
Number of characters in a record (excluding Memo and OLE Object fields) when the **UnicodeCompression** property of the fields is set to **Yes**	4,000
Number of characters in a field property setting	255

⊟ Query

Attribute	Maximum
Number of enforced relationships	32 per table minus the number of indexes that are on the table for fields or combinations of fields that are not involved in relationships
Number of tables in a query	32
Number of fields in a recordset	255
Recordset size	1 gigabyte
Sort limit	255 characters in one or more fields
Number of levels of nested queries	50
Number of characters in a cell in the query design grid	1,024
Number of characters for a parameter in a parameter query	255
Number of ANDs in a WHERE or HAVING clause	99
Number of characters in an SQL statement	approximately 64,000

⊟ Form and report

Attribute	Maximum
Number of characters in a label	2,048
Number of characters in a text box	65,535
Form or report width	22 in. (55.87 cm)
Section height	22 in. (55.87 cm)
Height of all sections plus section headers (in Design view (Design view: A window that shows the design of these database objects: tables, queries, forms, reports, macros, and data access pages. In Design view, you can create new database objects and modify the design of existing ones.))	200 in. (508 cm)
Number of levels of nested forms or reports	7

Number of fields or expressions you can sort or group on in a report	10
Number of headers and footers in a report	1 report header/footer; 1 page header/footer; 10 group headers/footers
Number of printed pages in a report	65,536
Number of controls and sections you can add over the lifetime of the form or report	754
Number of characters in an SQL statement that serves as the **Recordsource** or **Rowsource** property of a form, report, or control (both .mdb and .adp)	32,750

⊟ Macro

Attribute	Maximum
Number of actions in a macro (macro: An action or set of actions that you can use to automate tasks.)	999
Number of characters in a condition (condition: Part of the criteria that a field must meet for searching or filtering. Some conditions must be used with a value; for example, the field Author with the condition **equals** with the value Jane.)	255
Number of characters in a comment	255
Number of characters in an action argument (action argument: Additional information required by some macro actions. For example, the object affected by the action or special conditions under which the action is carried out.)	255

Microsoft Access project specifications

⊟ Access project

Attribute	Maximum
Number of objects in a Microsoft Access project (.adp) (Microsoft Access project: An Access file that connects to a Microsoft SQL Server database and is used to create client/server applications. A project file doesn't contain any data or data-definition-based objects such as tables and views.)	32,768
Modules (including forms and reports with the **HasModule** property set to **True**)	1,000
Number of characters in an object name	64
Number of columns in a table	250 (Microsoft SQL Server 6.5)
	1024 (Microsoft SQL Server 7.0 and 2000)

⊟ Microsoft SQL Server database

Microsoft SQL Server maximum capacity specifications are described in the SQL Server documentation. For more information about SQL Server Books Online, see http://msdn.microsoft.com/library/default.asp?url=/library/en-us/startsql/getstart_4fht.asp, on the MSDN Web site.

⊟ Form and report

Attribute	Maximum
Number of characters in a label	2,048
Number of characters in a text box	65,535
Form or report width	22 in. (55.87 cm)
Section height	22 in. (55.87 cm)
Height of all sections plus section headers (in Design view (Design view: A window that shows the design of these database objects: tables, queries, forms, reports, macros, and data access pages. In Design view, you can create new database objects and modify the design of existing ones.))	200 in. (508 cm)
Number of levels of nested forms or reports	7
Number of fields or expressions you can sort or group on in a report	10
Number of headers and footers in a report	1 report header/footer; 1 page header/footer; 10 group headers/footers
Number of printed pages in a report	65,536
Number of controls and sections you can add over the lifetime of the form or report	754
Number of characters in an SQL statement that serves as the **Recordsource** or **Rowsource** property of a form, report, or control (both .mdb and .adp)	32,750

⊟ Macro

Attribute	Maximum
Number of actions in a macro (macro: An action or set of actions that you can use to automate tasks.)	999
Number of characters in a condition (condition: Part of the criteria that a field must meet for searching or filtering. Some conditions must be used with a value; for example, the field Author with the condition **equals** with the value Jane.)	255
Number of characters in a comment	255
Number of characters in an action argument (action argument: Additional information required by some macro actions. For example, the object affected by the action or special conditions under which the action is carried out.)	255

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