

## Microsoft Access 2003 Maximum Capacities

<b>Database specifications</b>	
<b>Attribute</b>	<b>Maximum</b>
Database (.mdb) file size	2 gigabyte. However, because your database can include linked tables in other files, its total size is limited only by available storage capacity.
Number of objects in a database	32768
Modules (including forms and reports with the HasModule property set to True)	1000
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
<b>Table specifications</b>	
<b>Attribute</b>	<b>Maximum</b>
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 open internally by Microsoft Access.
Table size	2 gigabyte
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 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	2048

Number of characters in a table or field description	255
Number of characters in a record (excluding Memo and OLE Object fields)	4000
Number of characters in a field property setting	255
<b>Query specifications</b>	
<b>Attribute</b>	<b>Maximum</b>
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	1024
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 a SQL statement	approximately 64,000
<b>Form and report specifications</b>	
<b>Attribute</b>	<b>Maximum</b>
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)	200 in. (508 cm)
Number of levels of nested forms or reports	7
Number of fields or expressions you	10

can sort or group on in a report	
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
<b>Macro specifications</b>	
<b>Attribute</b>	<b>Maximum</b>
Number of actions in a macro	999
Number of characters in a condition	255
Number of characters in a comment	255
Number of characters in an action argument	255

### Variable and Table Data Types

Data type	Prefix	Example	Note
String (Text)	str	strCity	Text to 255 characters
Date/Time	dtm	dtmCreated	Date and Time
Boolean	bln	blnIsNotNull	Yes/No or True/False, two values
Byte	byt	bytMonth	One Byte, values from 0 to +255
Integer	int	intCount	Two Bytes; values from -32,768 to +32,767; No fractions
Long (long integer)	lng	lngDistance	Four Bytes, values from -2,147,483,648 to 2,147,483,647
Single	sng	sngPopulation	Four Bytes single precision, floating point
Currency	cur	curTraded	Fifteen digits to the left, four to the right. Fixed decimal place.
Double	dbl	dblClientID	Eight Bytes
Decimal	dec	decMicroseconds	Twelve Bytes
Object	obj	objConnection	
Variant	vnt	vntUserInput	It can store numeric, string, date/time, Null, or Empty data
Error	Err	errBadEmailAddress	