



## Microsoft Office Access

# Access 2007 specifications

Applies to: Microsoft Office Access 2007

## In this article

- [Database specifications](#)
- [Project specifications](#)

## Database specifications

The following list of tables is specific to Microsoft Office Access 2007 databases:

### General

Attribute	Maximum
Access database (.accdb) file size	2 gigabytes, minus the space needed for system objects
	<b>NOTE</b> NOTE: Although the maximum size for a single database file is 2GB, you can work around this limitation by using a split database. A front-end database file can point to thousands of back-end database files, each of which could be as large as 2GB. For more information, see the topic, <a href="#">Split a database</a> .
Number of objects in a database	32,768
Number of modules (including forms and reports that have the <b>HasModule</b> property set to <b>True</b> )	1,000
Number of characters in an object name	64
Number of characters in a password	20
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 might be smaller because of tables opened internally by 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; 2 gigabytes 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 <b>UnicodeCompression</b> property of the fields is set to <b>Yes</b>	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 joins in a query	16*
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 AND operators in a WHERE or HAVING clause	99*
Number of characters in an SQL statement	Approximately 64,000*

\*Maximum values might be lower if the query includes multivalued lookup fields.

Original page: <http://office.microsoft.com/en-us/access/HA100307391033.aspx>

## 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)	200 in. (508 cm)
Number of levels of nested forms or reports	7
Number of fields or expressions that 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 that you can add over the lifetime of the form or report	754
Number of characters in an SQL statement that serves as the <b>Recordsource</b> or <b>Rowsource</b> property of a form, report, or control (both .accdb and .adp)	32,750

## Macro

Attribute	Maximum
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

[Top of Page](#)

## Project specifications

The following list of tables is specific to Office Access 2007 projects:

### General

Attribute	Maximum
Number of objects in an Access project (.adp)	32,768
Number of modules (including forms and reports that have the <b>HasModule</b> property set to <b>True</b> )	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, 2000 and 2005)

## Microsoft SQL Server database

Microsoft SQL Server maximum capacity specifications are described in the SQL Server documentation.

## 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)	200 in. (508 cm)
Number of levels of nested forms or reports	7
Number of fields or expressions that 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 <b>Recordsource</b> or <b>Rowsource</b> property of a form, report, or control (both .accdb and .adp)	32,750

## Macro

Attribute	Maximum
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

Don't have the 2007 Office release? You can download a free 60-day trial or buy it now.

[Download a free trial](#)

[Buy the 2007 Office release](#)

[Top of Page](#)

© 2009 Microsoft Corporation. All rights reserved.