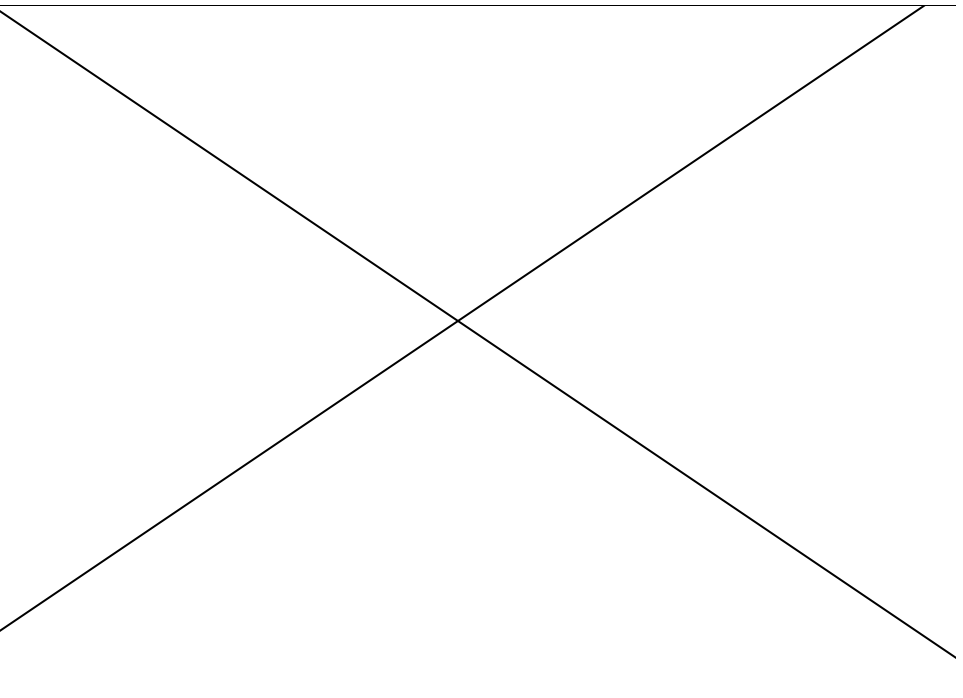# MacODA

MacODA is a software translator for Macintosh computers that implements the Open Document Architecture (ODA) standard. Using MacODA, you can exchange complex documents (including graphics) with users who work with different word-processing applications or on different platforms, while preserving the original format of the documents.

MacODA converts ODA documents to and from the Claris XTND translation system. With XTND integrated into your application, you can open documents that were created in another application as long as you have the appropriate translator installed. MacODA gives your XTND-compatible applications the ability to open the ODA documents that you receive and to save documents in the ODA format.

ODA is a document-interchange standard established by the International Organization for Standardization (ISO). It facilitates the interchange of documents between different applications and platforms, including documents that contain complex formatting information and graphics.

MacODA is independent of the transfer medium. For example, you can use MacODA to read ODA documents from disks or to transfer complex documents across an internet network using TCP/IP. You can also transfer documents that you create with MacODA over X.400 networks if your Macintosh computer has access to an Apple MacX.400 server. When used in conjunction with MacX.400, MacODA provides you with seamless exchange of text and graphics in the OSI environment.

Features and Benefits

> Implementation of the Open Document Architecture (ODA) standard	> Allows exchange of documents in a multivendor environment.
> Support of system software versions 6 and 7, as well as A/UX, Apple's implementation of UNIX	> Makes it easy to migrate from version 6 to version 7 and allows A/UX users to exchange ODA documents.
> Conformance to the Q112 profile	> Allows exchange of structured text, raster graphics, and vector graphics.
> Interoperability with ODA products from other vendors	> Enhances productivity in work groups with different word-processing applications.
> Conversion to and from the XTND format	> Supports many word-processing applications on the Macintosh computer.
> Medium independence	> Allows Macintosh users to exchange complex documents when using disks, TCP/IP or X.400 networks, and other media.
> Full compatibility with Apple MacX.400 server	> Provides seamless operation on X.400 networks when used in conjunction with MacX.400.

MacODA

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To set up MacODA, you need
> a Macintosh computer with at least 4 megabytes (MB) of memory and an internal hard disk
> Macintosh system software version 6.0.4 (or later), version 7.0 (or later), or A/UX 3.0

General features
> Implements the ISO ODA standard
> Conforms to the Q112 profile
> Allows XTND-compatible applications to read ODA documents
> Allows XTND-compatible applications to save documents in the ODA format
> Supports document headers, footers, footnotes, multicolumn text, and graphics
> Supports document tabulations and indentations

Supported standards
MacODA supports
> ISO 8613 (the ODA standard)
> EWOS Q112 profile
> ISO 6937 character set
> T.4 (CCITT raster graphics)
> T.6 (CCITT raster graphics)
> ISO 8632 (CGM vector graphics)

Fonts
MacODA supports
> Helvetica
> Times
> Courier

Other fonts default to Times. All sizes are supported.

Styles
MacODA supports
> Plain Text, Bold, Italic, and Strike Thru
> Underline and Double Underline
> Superscript and Subscript

Graphics
MacODA receives graphics that adhere to any of these formats
> mono- and bidimensional T.4
> the compressed form of T.6
> bitmaps
> CGM vector graphics

When translating from XTND to ODA, MacODA converts
> vector graphics to CGM
> raster graphics to the compressed form of T.6

Applications compatible with MacODA
MacODA works with
> MacWrite II
> ClarisWorks
> WordPerfect
> Ragtime 3
> Nisus Compact
> GreatWorks
> BeagleWorks

Conversions
The XTND and the ODA document models present similar concepts. When they differ, however, MacODA optimizes conversion and produces a resulting document as close as possible to the original. Some differences are resolved in the following ways:

From ODA Q112 to XTND
> ISO 6937 is mapped to the Macintosh Roman character set.
> Automatic segment numbering is supported by the insertion of text in front of the corresponding paragraph.

From XTND to ODA Q112
> The Macintosh Roman character set is converted to ISO 6937.
> Fonts other than Times, Helvetica, and Courier are converted to Times.
> Colored text is converted to black.
> Colored PICT vector graphics are converted to colored CGM.

MacODA
Order No. M8063Z/A
With your order, you receive
> MacODA software
> the *MacODA User's Guide*
> XTND System, version 1.3.1

MacX.400 Server
(If you want to transfer documents over X.400 networks)
Order No. M8062Z/A
With your order, you receive
> MacX.400 server software
> the *MacX.400 Administrator's Guide*

Developers can license MacODA to include it in their products. For information about licensing, contact

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