

## Alias® Direct Connects

- > CATIA® V5
- > CATIA V4
- > I-DEAS®
- > UG®

Alias Direct Connect products enable the efficient exchange of data between Alias StudioTools and leading CAD products. These interfaces bring a new level of integration to the collaborative work between industrial designers and engineers.

Data exchange between designers and engineers is critical for a modern digital production process. Designers using StudioTools use CAD data as a reference for design work, ensuring that their ideas respect technical constraints. Design data is used directly in the CAD environment, eliminating rework, saving time and preserving design intent.

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# Alias Direct Connects | Technical Features

## CATIA V5 Direct Connect

*This new Direct Connect product enables interoperability between Alias StudioTools and CATIA V5.*

### Technical Features

- Developed in partnership with Dassault Systemes to meet the needs of designers and engineers



- Open native CATIA V5 part or assembly files from within StudioTools. Supported CATIA entities include curves, surfaces, assemblies, solids, open bodies, groups and RGB color.
- Save StudioTools data directly in CATIA V5 format. Supported StudioTools entities include curves, surfaces, groups, shader color and opacity.
- Command line interface also available to facilitate batch file conversions
- Translation log files store translation status and information

### Software Requirements

- StudioTools:
  - Alias DesignStudio® 11.0.2
  - Alias Studio™ 11.0.2
  - Alias AutoStudio™ 11.0.2
  - Alias SurfaceStudio™ 11.0.2
- CATIA V5, version R10, R11, or R12
- Access to a CATIA V5 license

### Platforms

- SGI® IRIX®, Microsoft® Windows® XP, Windows 2000 Professional

## CATIA V4 Direct Connect

*The CATIA V4 Direct Connect product enables the StudioTools family of software products to share data with CATIA V4.*

### Technical Features

- CATIA/Alias Interoperability (CAI) file format allows CATIA and Alias to share data efficiently
- Geometry stitched together as a shell within Alias is translated into a skin when imported into CATIA
- High-level data representation maintains precise surface and topology information, including G2 tangency
- Tolerances and units maintained and properly transferred during translation
- Graphical User Interface works inside standard StudioTools File Open/File Save dialog box
- Command Line Interface to facilitate batch conversion of data files
- Translation log files store translation status and information

### Software Requirements

- StudioTools:
  - Alias DesignStudio 11
  - Alias Studio 11
  - Alias AutoStudio 11
  - Alias SurfaceStudio 11
- CATIA 4.2.x

### Platforms

- SGI IRIX, Microsoft Windows XP, Windows 2000 Professional

## I-DEAS Direct Connect

*I-DEAS Direct Connect is a plug-in for I-DEAS Master Series that enables it to directly read or write Alias wire files.*

### Technical Features

- Effective data sharing with I-DEAS Master Series™
- Direct import and export of Alias wire files
- High-level data representation maintains precise surface and topology information, including G2 tangency
- Tolerances and units maintained and properly transferred during translation
- Translation log files store translation status and information

### Software Requirements

- I-DEAS Master Series 9.0 or 10

### Platforms

- SGI, IRIX, Microsoft Windows XP, Windows 2000 Professional

## UG Direct Connect

*The UG Direct Connect product enables the StudioTools family of software products to read and write Unigraphics part files.*

### Technical Features

- Provides a significant productivity improvement by being able to accurately and quickly move complex surface models between the StudioTools family of products and the Unigraphics® Enterprise CAD/CAM system
- High-level data representation maintains precise surface and topology information, including G2 tangency
- Maintains data organization and product structure, eliminating significant reconstruction of information
- Tolerances and units maintained and properly transferred during translation
- Graphical User Interface works inside standard StudioTools File Open/File Save dialog box
- Command Line Interface to facilitate batch conversion of data files
- Translation log files store translation status and information

### Software Requirements

- StudioTools:
  - Alias DesignStudio 11
  - Alias Studio 11
  - Alias AutoStudio 11
  - Alias SurfaceStudio 11
- Unigraphics version 17, 18, NX1.0, or NX2.0
- Access to Unigraphics license, including Open API Execute or Open Package Execute

### Platforms

- SGI IRIX, Microsoft Windows XP, Windows 2000 Professional

Alias® | [www.alias.com](http://www.alias.com)

### GLOBAL HEADQUARTERS

210 King Street East  
Toronto, Ontario Canada M5A 1J7  
tel 416.362.9181 | [www.alias.com/contact](http://www.alias.com/contact)  
North America toll free 800.447.2542

### EUROPE, MIDDLE EAST & AFRICA

UK, Northern Europe, Middle East & Africa | tel +44.(0)1494.441273  
Germany, East & Southeast Europe | tel +49.89.31702-0  
France, Spain and Portugal | tel +33.(0)1.44.92.81.60  
Italy | tel +39.039.6340011

### ASIA-PACIFIC

Japan | tel 0120.765.088  
Korea | tel +82.2.6001.3131  
Greater China & Taiwan | tel +81.3.5797.3510  
Other Countries | tel +65.6236.2546