



ArcGIS Desktop Products Data Sheet

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The ArcGIS™ Desktop Products consist of ArcView®, ArcEditor™, and ArcInfo™.

These three products are built on a common architecture with the same user interface.

ArcView provides comprehensive mapping and analysis tools along with simple editing and geoprocessing tools. ArcEditor includes the full functionality of ArcView plus advanced editing capabilities for coverages and geodatabases.

ArcInfo extends the functionality of both to include advanced geoprocessing.

ArcView, ArcEditor, and ArcInfo share the following core functionality:

- Exceptional editing tools
- High-quality cartographic tools
- Internet-enabled
- On-the-fly projection
- Geocoding
- Wizard-driven tools
- Support for metadata standards
- Direct read of more than 40 data formats
- Common application developer tools

ArcGIS system support

Operating Systems:

ArcView	Windows NT and Windows 2000*
ArcEditor	Windows NT and Windows 2000
ArcInfo	Windows NT and Windows 2000 ArcInfo Workstation adds UNIX support

* ESRI has a two-phased release schedule for ArcView 8.1. The initial release of ArcView 8.1 runs on Windows NT and Windows 2000. A subsequent release of ArcView will support Windows 98 and Windows Me.

ArcGIS Desktop Products

ArcView	<ul style="list-style-type: none"> • Data access • Mapping • Customization • Spatial query • Simple feature editing
ArcEditor	<p>All of ArcView PLUS</p> <ul style="list-style-type: none"> • Coverage editing • Multiuser geodatabase editing • Definition of geodatabase relationships • Additional data management tools
ArcInfo	<p>All of ArcView, all of ArcEditor PLUS</p> <ul style="list-style-type: none"> • Advanced topologic coverage editing environment • Advanced geoprocessing tools • Remote geoprocessing server • Complete set of data conversion tools • Advanced spatial analysis tools • Dynamic segmentation and linear analysis tools • Customization environments for cross platform workstation applications

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Key Features in ArcView, ArcEditor, and ArcInfo 8.1

All the features listed below can be found in each one of the ArcGIS Desktop products: ArcView, ArcEditor, and ArcInfo.

Map Interaction

	ArcView	ArcEditor	ArcInfo
Tools for exploring and selecting data	●	●	●
Pan/Zoom/Identify tools	●	●	●
Hot link/Hyperlink to external application, macro, or URL	●	●	●
Dynamic map tips	●	●	●
Magnification and overview windows	●	●	●
Spatial bookmarks	●	●	●

Map Display

	ArcView	ArcEditor	ArcInfo
Interactive transparency for all data	●	●	●
On-the-fly projection of all data	●	●	●
Interactive histogram for data classification	●	●	●
Thematic classifications			
Single symbol	●	●	●
Unique value	●	●	●
Match to predefined style	●	●	●
Graduated colors or symbols	●	●	●
Proportional symbols	●	●	●
Dot density mapping	●	●	●
Chart mapping including pie and bar chart	●	●	●
Bivariate and multivariate data rendering	●	●	●
Image classification			
Thematic classes	●	●	●
Individual band settings	●	●	●
Color maps	●	●	●
Contrast	●	●	●
Brightness	●	●	●
TIN data classification			
Classify and render faces	●	●	●
Nodes	●	●	●
Triangles	●	●	●
Slope	●	●	●
Aspect	●	●	●
elevation	●	●	●
Hillshade	●	●	●

Symbology

	ArcView	ArcEditor	ArcInfo
Interactive symbol composer	●	●	●
Advanced drawing options for control over draw order	●	●	●
More than 12,000 predefined symbols	●	●	●
Import ArcView GIS 3.x APR and AVL files	●	●	●

Labeling

	ArcView	ArcEditor	ArcInfo
On-the-fly automatic labeling	●	●	●
Interactive label tool	●	●	●
Automatic conflict detection and label placement	●	●	●
Many predefined label styles (including highway shields)	●	●	●
Save labels with data	●	●	●

Page Layout and Printing

	ArcView	ArcEditor	ArcInfo
Layout view of the map for page layout presentation	●	●	●
Easy-to-use wizards and tools to insert map elements including			
Title	●	●	●
Text	●	●	●
Neatlines	●	●	●
Legend	●	●	●
North arrows	●	●	●
Scale bar	●	●	●
Scale text	●	●	●
Pictures	●	●	●
OLE Objects	●	●	●
Measured reference grid	●	●	●
Graticules	●	●	●
Support Windows and PostScript print drivers	●	●	●
Export PostScript color separates (with page marks)	●	●	●
Export graphics to			
Enhanced Metafile (EMF)	●	●	●
Windows Bitmap (BMP)	●	●	●
Encapsulated PostScript (EPS)	●	●	●
Tag Image File Format (TIF)	●	●	●
Portable Document Format (PDF)	●	●	●
Joint Photographic Experts Group (JPEG)	●	●	●
Computer Graphics Metafile (CGM)	●	●	●
Adobe Illustrator (AI)	●	●	●

Map Analysis

	ArcView	ArcEditor	ArcInfo
Interactive selection	●	●	●
Select based on attributes	●	●	●
Select based on location	●	●	●
Buffer	●	●	●
Clip	●	●	●
Merge	●	●	●
Union	●	●	●
Spatial join	●	●	●
Create reports	●	●	●



Utility Network Analysis

	ArcView	ArcEditor	ArcInfo
Trace upstream	●	●	●
Trace downstream	●	●	●
Find common ancestors	●	●	●
Find connected network features	●	●	●
Find loops in network	●	●	●
Find disconnected network features	●	●	●
Find path	●	●	●
Find path upstream	●	●	●
Find upstream accumulation	●	●	●

Geocode Addresses and Locations

	ArcView	ArcEditor	ArcInfo
Single or batch address geocoding	●	●	●
Reject processing	●	●	●
Client/Server database support for geocoding on the server*	●	●	●
Create multiple geocoding services (indexes) per data source	●	●	●
Find and display dynamic segmentation events (point, linear, continuous)	●	●	●
Find and display X,Y events	●	●	●

*Requires ArcSDE.

Editing

	ArcView	ArcEditor	ArcInfo
Edit multiple layers simultaneously	●	●	●
Unlimited Undo/Redo operations	●	●	●
Feature construction tools including			
Point-and-click feature location with mouse	●	●	●
Streaming locations with mouse	●	●	●
X, Y coordinate input with keyboard	●	●	●
DeltaX, DeltaY coordinate input	●	●	●
Bearing and distance coordinate input	●	●	●
Parallel to other feature segments	●	●	●
Perpendicular to other feature segments	●	●	●
Implied intersection between two other feature segments	●	●	●
Connect points with parametric curves	●	●	●
Square and finish polygons	●	●	●
Auto-complete for polygons	●	●	●
Feature edit tools including			
Move, rotate, delete, copy, and paste	●	●	●
Reshape	●	●	●
Split and trim	●	●	●
Extend	●	●	●
Flip	●	●	●
Divide into N-parts or into specified intervals	●	●	●
Scale	●	●	●
Vertex editing (add, delete, move)	●	●	●
Shared-edge editing	●	●	●
Create true parametric curves	●	●	●
Copy parallel	●	●	●
Buffer	●	●	●
Mirror	●	●	●
Merge	●	●	●
Union	●	●	●
Intersect	●	●	●
Snap to vertex, endpoint, or along the edge of features	●	●	●
Snapping settings for each layer	●	●	●
WinTab Digitizer Support	●	●	●
Image rectification	●	●	●
Image rotation	●	●	●
Image flip	●	●	●



Data Support

	ArcView	ArcEditor	ArcInfo
Direct Read of Vector Data			
Shapefiles	●	●	●
Coverages	●	●	●
Geodatabase	●	●	●
ArcIMS Map Services	●	●	●
ArcIMS Feature Services	●	●	●
Geography Network Feature Service	●	●	●
PC ARC/INFO coverages	●	●	●
ArcSDE 3.x	●	●	●
VPF	●	●	●
Direct Read of CAD Data			
DXF	●	●	●
DWG	●	●	●
DGN	●	●	●
Direct Read of Raster Data			
Geography Network Map Service	●	●	●
ESRI Grids	●	●	●
ArcSDE rasters	●	●	●
ESRI image catalogs	●	●	●
ERDAS IMAGINE (IMG)	●	●	●
ERDAS 7.5 LAN (LAN)	●	●	●
ERDAS 7.5 GIS (GIS)	●	●	●
ERDAS Raw (RAW)	●	●	●
ESRI raster catalogs	●	●	●
ERDAS 7.5 LAN (LAN)	●	●	●
ERDAS 7.5 GIS (GIS)	●	●	●
ERDAS Raw (RAW)	●	●	●
ESRI Band Interleaved by Line (BIL)	●	●	●
ESRI Band Interleaved by Pixel (BIP)	●	●	●
ESRI Band Sequential (BSQ)	●	●	●
ESRI Grid Stack	●	●	●
ESRI Grid Stack file (STK)	●	●	●
Windows Bitmap (BMP)	●	●	●
Controlled Image Base (CIB)	●	●	●
Compressed ARC Digitized Raster Graphics (ADRG)	●	●	●
ADRG Image (IMG)	●	●	●
ADRG Overview (OVR)	●	●	●

Continued from Data Support

	ArcView	ArcEditor	ArcInfo
ADRG Legend (LGG)	●	●	●
DTED (levels 1 and 2)	●	●	●
ER Mapper (ERS)	●	●	●
Graphics Interchange Format (GIF)	●	●	●
JPEG File Interchange Format (JFIF)	●	●	●
National Image Transfer Format v1.0 (NITF, NTF)	●	●	●
Portable Network Graphics (PNG)	●	●	●
LizardTech MrSID (SID)	●	●	●
Tag Image File Format (TIFF)	●	●	●
Direct Read of Other Data			
Geostatistical layers	●	●	●
TIN	●	●	●
DBF	●	●	●
TXT	●	●	●
INFO	●	●	●
ODBC	●	●	●
Microsoft Access	●	●	●
Edit and/or Creation of			
Shapefiles	●	●	●
DBF	●	●	●
TIN (requires 3D Analyst)	●	●	●
GRID (requires Spatial Analyst)	●	●	●
IMG	●	●	●
TIFF	●	●	●

Data Conversion

	ArcView	ArcEditor	ArcInfo
Import to Geodatabase			
CAD formats (DXF, DGN, DWG) to geodatabase	●	●	●
Coverage to personal geodatabase	●	●	●
Route event table to feature class (wizard)	●	●	●
Shapefile to geodatabase	●	●	●
Table to geodatabase	●	●	●
VPF to geodatabase	●	●	●
Import to Image/Raster			
ASCII to Grid	●	●	●
DEM to Grid	●	●	●
DTED to Grid	●	●	●
Floating-point data to Grid	●	●	●
SDTS raster to Grid	●	●	●
Import to Shapefile			
AGF to shapefile	●	●	●
Geodatabase to shapefile	●	●	●
MIF to shapefile	●	●	●
Import to Table			
Geodatabase to table	●	●	●
OLE DB to table	●	●	●
Table to point features	●	●	●
Import to Coverage			
ArcInfo Export (E00) to Coverage	●	●	●
SDTS point file to coverage	●	●	●
Export from Geodatabase			
Geodatabase to shapefile	●	●	●
Geodatabase to table	●	●	●
Export from Image/Raster			
Raster to MrSID	●	●	●
Raster to Grid	●	●	●
Raster to ERDAS IMAGINE	●	●	●
Raster to TIFF	●	●	●
Export from Shapefile			
Shapefile to AGF	●	●	●
Shapefile to DXF	●	●	●
Shapefile to geodatabase	●	●	●

Continued from
Data Conversion

	ArcView	ArcEditor	ArcInfo
Export from Table			
INFO to dBase	●	●	●
Table to geodatabase	●	●	●
Export from CAD			
DXF, DGN, DWG to geodatabase	●	●	●
Export from Coverage			
Coverage to geodatabase	●	●	●



Tabular Data

	ArcView	ArcEditor	ArcInfo
On-the-fly dynamic joins between different databases	●	●	●
Create and use Many-to-One and One-to-Many joins	●	●	●
View joined data tables	●	●	●
Edit table records	●	●	●
Create statistics	●	●	●
Create charts and reports	●	●	●
Sort by multiple attributes	●	●	●
Calculate values based on expression	●	●	●
Summarize data	●	●	●
Connect to and use remote database data	●	●	●

Application Framework

	ArcView	ArcEditor	ArcInfo
Standard Microsoft Windows look and feel	●	●	●
Dockable/Floating toolbars	●	●	●
Customizable look and feel (drag and drop to rearrange tools/toolbars)	●	●	●
Create and save macros using Visual Basic for Application (VBA)	●	●	●
Create new tools/toolbars storing customized functionality with map document	●	●	●
Use any COM-compliant language for development environment	●	●	●
UNICODE support for multi-language attributes	●	●	●

Metadata

	ArcView	ArcEditor	ArcInfo
Automatically or manually generate metadata for data files	●	●	●
Metadata import/export	●	●	●
Metadata styles			
ESRI Web format	●	●	●
FGDC report	●	●	●
FGDC FAQ	●	●	●
Raw XML data	●	●	●
Find tool to find data based on metadata and location	●	●	●



Additional Key Features in ArcEditor and ArcInfo 8.1

ArcEditor and ArcInfo have all the capabilities of ArcView and also include these additional key features.

Data Creation

	ArcView	ArcEditor	ArcInfo
Create and edit ArcInfo coverages		●	●
Create and edit INFO files		●	●
Create and edit multiuser geodatabases (stored in industry-standard DBMS)		●	●
Create and edit geodatabase features participating in geometric networks and relationship classes		●	●
Integrate features in coverages and geodatabases		●	●
Create relationship classes between different feature classes		●	●
Create relationship classes between different tables		●	●
Create relationship classes between feature classes and tables		●	●
Create multiple versions on a multiuser geodatabase		●	●
Edit versions of the DBMS		●	●
Resolve conflicts between versions of a multiuser geodatabase		●	●
Create and edit Dimension features		●	●
Create and edit feature-linked annotation feature classes in a geodatabase		●	●
Create dynamic features from geocoded locations		●	●

Data Management

	ArcView	ArcEditor	ArcInfo
Load data into multiuser geodatabases		●	●
Load raster data into a multiuser geodatabase		●	●
Create attribute subtypes on geodatabase feature classes		●	●
Create attribute domains		●	●

ArcInfo has all the abilities of ArcView and ArcEditor.
ArcInfo also includes these additional key features.

Data Creation

	ArcView	ArcEditor	ArcInfo
Create coverage from selected features in another coverage			●
Append selected features to another coverage			●
Advanced topologic coverage editing environment and tools			●
Create and maintain topology (line, point, node, polygon, region, annotation)			●
Create dynamic segmentation routes and sections			●
Edit routes and sections			●
Dynamically create event tables based on route and polygon overlay			●
Establish Z-values on nodes			●
Tools for data conflation			●
Vectorize raster images (with ArcScan extension)			●

Data Conversion

	ArcView	ArcEditor	ArcInfo
Import to Raster			
ADRG to Grid			●
Line coverage to Grid			●
Point coverage to Grid			●
Polygon coverage to Grid			●
SDTS to coverage			●
TIN to Grid			●
Import to Table			
dBase to INFO			●
DBMS to INFO			●

Continued from Data Conversion

	ArcView	ArcEditor	ArcInfo
Import to Coverage			
DFAD to coverage			●
DIME to coverage			●
DLG to coverage			●
DXF to coverage			●
ETAK to coverage			●
Generate file to coverage (wizard)			●
Grid to line, point, or polygon coverage			●
IGDS to coverage			●
MOSS to coverage			●
TIGER to coverage			●
VPF to coverage			●
Export from Raster			
Grid to ASCII			●
Grid to DEM			●
Grid to floating point data			●
Grid to Image			●
Grid to line, point, or polygon coverage			●
Grid to TIN			●
Raster to geodatabase			●
Export from Shapefile			
Shapefile to coverage			●
Export from Table			
Export to E00			●
Export from CAD			
Export to Geodatabase*			●

* ArcInfo and ArcEditor supports both the personal geodatabase and a multi-user geodatabase.



Additional Key Features in ArcInfo 8.1

Continued from *Data Conversion*

	ArcView	ArcEditor	ArcInfo
Export from Coverage			
Coverage to DFAD			●
Coverage to DIME			●
Coverage to DLF			●
Coverage to DXF			●
Coverage to Generate file			●
Coverage to IGDS			●
Coverage to IGES			●
Coverage to MOSS			●
Coverage to SLF			●
Coverage to VPF			●
Coverage to E00			●
Coverage to SDTS			●
Coverage to Grid			●

Map Analysis

	ArcView	ArcEditor	ArcInfo
Spatial Relationships and Analysis			
Remote Geoprocessing server			●
Contiguity tools to find adjacent areas within a given distance			●
Complete Dynamic Segmentation Creation and Management			●
Coincidence tools to create new data relationships			●
Eliminate polygons or lines from specified coverages			●
Erase features from a coverage based on features in another coverage			●
Topologic Spatial overlay			
Union			●
Intersect			●
Identify			●
Advanced Buffer generation and proximity analysis tools			●
Advanced Polygon dissolve and eliminate			●
Complete Spatial and logical query tools			●
Sophisticated tabular analysis tools			●
Contiguity tools			●
Coincidence tools			●

Continued from *Map Analysis*

	ArcView	ArcEditor	ArcInfo
Connectivity tools (with optional ARC NETWORK extension)			●
Surface modeling tools (with optional ARC TIN extension)			●
Raster modeling tools (with optional ARC GRID extension)			●
Create Advanced Logical expressions			●
Coverage processing tools			●
Aggregation tools			●
Database query tools			●
Overlapping polygon modeling (Regions)			●

Application Framework

	ArcView	ArcEditor	ArcInfo
Customization Environments			
Visual Basic ActiveX components: Arc Automation Server, ArcPlot, ArcEdit, Grid OCX			●
JavaBeans for Arc, ArcPlot, ArcEdit, and Grid			●
ARC Macro Language (AML)			●
Cross platform			●

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