ArcGIS Desktop Products Data Sheet

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The ArcGIS™ Desktop products consist of ArcReader™, ArcView®, ArcEditor™, and ArcInfo™. These products are built on a common architecture with the same user interface.

- ArcReader is a free, downloadable, easy-to-use application for viewing, exploring, and printing published map files (PMF).
- ArcView adds comprehensive mapping and analysis tools along with simple editing and geoprocessing tools.
- ArcEditor includes the full functionality of ArcView plus advanced editing capabilities for geodatabases.
- ArcInfo extends the functionality of all three products to include advanced geoprocessing.

ArcGIS system support

Operating Systems:

ArcReader, ArcView, and ArcEditor

Windows NT
Windows 2000
Windows XP
(Home Edition and Professional)

ArcInfo

Windows NT
Windows 2000
Windows XP
(Home Edition and Professional)
ArcInfo Workstation adds UNIX support.

ArcGIS Desktop Products

ArcReader	• Freely downloadable read only map viewer
ArcView	**All of ArcReader** **PLUS** • Data access • Mapping • Geocoding • Customization • Spatial query • Simple feature editing
ArcEditor	**All of ArcView** **PLUS** • Multiuser geodatabase editing • Definition of geodatabase relationships • Additional data management tools
ArcInfo	**All of ArcEditor** **PLUS** • 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

Contents

Key Features in ArcReader, ArcView, ArcEditor, and ArcInfo 8.2

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

Map Interaction

	ArcReader	ArcView	ArcEditor	ArcInfo
Pan/Zoom/Identify tools	●	●	●	●
Access hyperlink feature	●	●	●	●
Dynamic map tips	●	●	●	●
Magnification window	●	●	●	●
Use spatial bookmarks	●	●	●	●
Measure distances	●	●	●	●

Map Display

	ArcReader	ArcView	ArcEditor	ArcInfo
On-the-fly projection of all data	●	●	●	●
Full cartographic visualization of any pmf file	●	●	●	●

Application Framework

	ArcReader	ArcView	ArcEditor	ArcInfo
Standard Microsoft Windows look and feel	●	●	●	●

Page Layout and Printing

	ArcReader	ArcView	ArcEditor	ArcInfo
Layout view of the map for page layout presentation	●	●	●	●
Support Windows and PostScript print drivers	●	●	●	●

Document Support

	ArcReader	ArcView	ArcEditor	ArcInfo
Read published map files	●	●	●	●

Additional Key Features in ArcView, ArcEditor, and ArcInfo 8.2

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

Map Interaction

	ArcReader	ArcView	ArcEditor	ArcInfo
Tools for selecting data		●	●	●
Create hot link/hyperlink to external application, macro, or URL		●	●	●
Create/manage/use spatial bookmarks		●	●	●

Document Support

	ArcReader	ArcView	ArcEditor	ArcInfo
Create and use map documents (MXD) between users		●	●	●
Use map templates (MXT) to standardize maps		●	●	●

Map Analysis

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

Map Display

	ArcReader	ArcView	ArcEditor	ArcInfo
Interactively set transparency for 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		●	●	●

Application Framework

	ArcReader	ArcView	ArcEditor	ArcInfo
Dockable/Floating toolbars		●	●	●

Additional Key Features in ArcView, ArcEditor, and ArcInfo 8.2

Symbology

	ArcReader	ArcView	ArcEditor	ArcInfo
Interactive symbol composer		●	●	●
Advanced drawing options for control over draw order		●	●	●
More than 12,000 predefined symbols		●	●	●

Labeling

	ArcReader	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		●	●	●
Rotate labels from an attribute field		●	●	●
Text formatting tags for dynamic labels		●	●	●

Document Support

	ArcReader	ArcView	ArcEditor	ArcInfo
Create and edit map documents (MXD)		●	●	●
Import ArcView 3.x APR and AVL files		●	●	●
Create PMF (requires ArcGIS Publisher)		●	●	●

Page Layout and Printing

	ArcReader	ArcView	ArcEditor	ArcInfo
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		●	●	●
Export graphics to				
Enhanced Metafile (EMF)		●	●	●
Windows bit map (BMP)		●	●	●
Encapsulated PostScript (EPS)		●	●	●
Tagged image file format (TIFF)		●	●	●
Portable document format (PDF)		●	●	●
Joint Photographic Experts Group (JPEG)		●	●	●
Computer graphics metafile (CGM)		●	●	●
Adobe Illustrator (AI)		●	●	●
Export PostScript color separates (with page marks)		●	●	●

Additional Key Features in ArcView, ArcEditor, and ArcInfo 8.2

Utility Network Analysis

	ArcReader	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

	ArcReader	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

	ArcReader	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		●	●	●

Continued from Editing

	ArcReader	ArcView	ArcEditor	ArcInfo
Feature construction tools including				
Perpendicular to other feature segments		●	●	●
Implied intersection between two other feature segments		●	●	●
Connect points with parametric curves		●	●	●
Square and finish polygons		●	●	●
Autocomplete 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		●	●	●
Spatial adjustment tools including				
Rubber sheeting		●	●	●
Transformation		●	●	●
Edgematching		●	●	●
Attribute transfer		●	●	●
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

	ArcReader	ArcView	ArcEditor	ArcInfo
Direct Read of Vector Data				
Shapefiles		●	●	●
Coverages		●	●	●
Geodatabase		●	●	●
ArcIMS® MapServices		●	●	●
ArcIMS Feature Services		●	●	●
Geography Network℠ Feature Service		●	●	●
PC ARC/INFO® coverages		●	●	●
ArcSDE 3.x		●	●	●
VPF		●	●	●
Direct Read of CAD				
DXF		●	●	●
DWG		●	●	●
DGN		●	●	●
Direct Read of Raster				
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		●	●	●
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 bit map (BMP)		●	●	●
Controlled Image Base (CIB)		●	●	●
Compressed ARC Digitized Raster Graphics (ADRG)		●	●	●
ADRG image (IMG)		●	●	●
ADRG overview (OVR)		●	●	●
ADRG legend (LGG)		●	●	●
DTED (levels 1 and 2)		●	●	●

Continued from *Data Support*

	ArcReader	ArcView	ArcEditor	ArcInfo
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)		●	●	●
Tagged 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 ArcGIS 3D Analyst™)		●	●	●
GRID (requires ArcGIS Spatial Analyst)		●	●	●
IMG		●	●	●
TIFF		●	●	●

Data Conversion

	ArcReader	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*

	ArcReader	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		●	●	●

Additional Key Features in ArcView, ArcEditor, and ArcInfo 8.2

Tabular Data

	ArcReader	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

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

Metadata

	ArcReader	ArcView	ArcEditor	ArcInfo
Automatically or manually generate metadata for data files		●	●	●
Import/Export metadata		●	●	●
Metadata styles				
ESRI Web format		●	●	●
FGDC report		●	●	●
FGDC FAQ		●	●	●
ISO standard		●	●	●
Raw XML data		●	●	●
Find tool to find data based on metadata and location		●	●	●
Publish metadata to the ArcIMS Metadata Server		●	●	●

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

Data Creation

	ArcReader	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

	ArcReader	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 ArcReader, ArcView, and ArcEditor. ArcInfo also includes these key features.

Data Creation

	ArcReader	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

	ArcReader	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*

	ArcReader	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 support both the personal geodatabase and a multiuser geodatabase.

Continued from *Data Conversion*

Export from Coverage	ArcReader	ArcView	ArcEditor	ArcInfo
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				●

Continued from *Map Analysis*

	ArcReader	ArcView	ArcEditor	ArcInfo
Sophisticated tabular analysis tools				●
Contiguity tools				●
Coincidence tools				●
Connectivity tools (with optional ArcNetwork™ extension)				●
Surface modeling tools (with optional ArcTIN™ extension)				●
Raster modeling tools (with optional ArcGrid™ extension)				●
Create advanced logical expressions				●
Coverage processing tools				●
Aggregation tools				●
Database query tools				●
Overlapping polygon modeling (regions)				●

Map Analysis

Spatial Relationships and Analysis	ArcReader	ArcView	ArcEditor	ArcInfo
Remote geoprocessing server				●
Continguity 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				●

Application Framework

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

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