ESRI ArcPad

Mobile GIS software for smarter field work

The ESRI® ArcPad® software is your key to mobile GIS, providing GIS database access, mapping, and GPS integration in the field. ArcPad is the field-based extension to your ArcGIS system that can be customized to suit your way of working.

Familiar and easy to use

ArcPad uses the familiar ESRI interface, so you can get up to speed quickly and start using ArcPad in no time. You can use data from your existing ArcGIS™ geodatabase, or create ESRI Shapefiles in the field. And ArcPad supports industry standard formats, including TIFF, JPEG, PNG, and MrSID files, for background images.

The smart choice for field work

Smart integration with the ArcGIS workflow makes taking data into the field easy. Simply select the data in ArcGIS, check it out from the geodatabase, and use the easy export tools to download it into ArcPad. On returning from the field, use the check-in functionality to merge the data back into your GIS database.
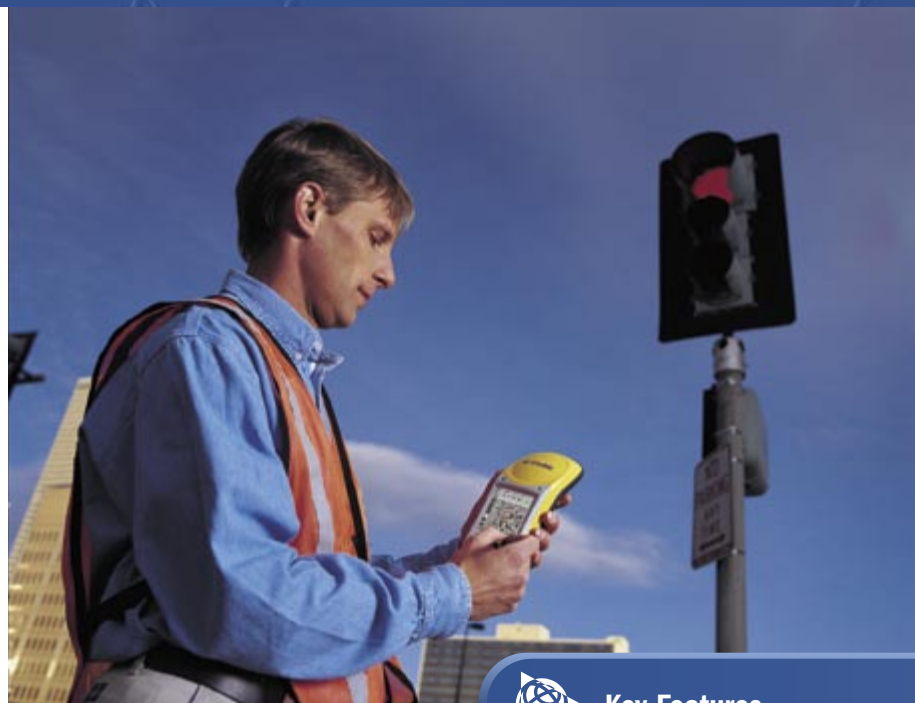
With ArcPad you get flexible editing and data capture options. You can create, edit, delete, or move features, edit attribute information, and easily edit and update the positions in a feature without having to re-collect it.

Customize ArcPad to suit your workflow

Maximize your efficiency with smarter field sessions. The ArcPad Studio software (included in the ArcPad Application Builder) lets you create custom toolbars, data entry forms, and controls that are tailored to suit your workflow. And you can write scripts to add powerful customized functions, such as custom validation for field data entry.

Your choice of rugged handheld

Combine ArcPad with Trimble's range of rugged Mapping & GIS handhelds for the complete mobile GIS solution. Choose from the GeoExplorer® CE series with integrated GPS, the ultra-rugged Trimble® Recon™ handheld, and the GIS TSCe™ field device with full alphanumeric keypad. These rugged field devices are purpose-built for a full day's field work whatever the conditions.

GPS integration and quality control

Achieve true GPS integration with Trimble's GPScorrect™ extension for ArcPad. GPScorrect makes it easy to connect to and configure any of Trimble's Mapping & GIS GPS receivers. You can get detailed status information in the field and adjust GPS settings to get the GPS data quality you require. For more precise position data, use real-time corrections in the field, or postprocess your data with Trimble's GPS Pathfinder® Office software or GPS Pathfinder Express online service.

Add value with the StreetMap extension

The ArcPad StreetMap™ extension integrates U.S. street and location data, geocoding, and routing information seamlessly into ArcPad. You can optimize the productivity of each trip by entering your planned stops and using ArcPad to find the best route between them. If you have trouble finding a location, use StreetMap to query an address and navigate straight to it.

Key Features

- Familiar ESRI interface and smart ArcGIS workflow
- Flexible edit and data capture options
- Customizable to suit your field requirements
- Runs on Trimble's ruggedized field devices
- GPScorrect extension for robust GPS integration
- Easy geocoding and routing with StreetMap extension

ArcPad's smart, customizable workflow makes the transition from the office to the field a breeze. Mobilize your GIS with ArcPad today.

Trimble.

ESRI ArcPad

Mobile GIS software for smarter field work

Features and options

Key features

- Standard ESRI interface and smart ArcGIS workflow
- Display multiple layers as map backgrounds including aerial photographs and satellite imagery
- Range of smart editing and data capture options
- Advanced geometry editing
- Customizable to suit your field requirements, create custom forms and toolbars, and automate tasks
- Runs on Trimble's ruggedized field devices
- StreetMap extension integrates location data with geocoding and routing functions

GPS accuracy

- Supports all Trimble Mapping & GIS GPS receivers
- Real-time differential correction (available sources depend on GPS receiver used)
- Optional GPScorrect extension for enhanced GPS connectivity
  - In-field mission planning
  - Improved position accuracy by differential postprocessing of GPS data
  - Choice of office processing software or online service for differential correction

Software options

- ArcPad software
- ArcPad Application Builder (includes ArcPad software, ArcPad Studio software, detailed online documentation, one year maintenance contract)
- ArcPad StreetMap extension
- GPScorrect extension

Supported GPS receivers

- GeoXT™ handheld
- GeoXM™ handheld
- GPS Pathfinder Pocket
- GPS Pathfinder Power
- GPS Pathfinder Pro XR
- GPS Pathfinder Pro XRS

Supported field devices

- GeoExplorer CE series handhelds
- Trimble Recon handheld
- GIS TSCe field device
- Any field device running a supported Microsoft® Windows® CE or Windows operating system

Available languages

- Bulgarian
- Chinese (Simplified)
- Czech
- Danish
- Dutch
- English
- French
- German
- Hungarian
- Italian
- Japanese
- Korean
- Norwegian
- Polish
- Romanian
- Spanish
- Thai
- Ukrainian

Recommended hardware

Windows CE field device

Operating system . . . . Windows CE version 3.00 or later
Microsoft ActiveSync® version 3.0 or later
Processor type
   Pocket PC . . . . Hitachi SH3 or SH4, ARM, XScale, MIPS, or x86
   Pocket PC 2002 or 2003 . . . . ARM, XScale, or MIPS
   H/PC 2000 . . . . ARM, XScale, or MIPS
Processor speed . . . . 206 MHz
Memory . . . . 64 MB RAM
at least 8 MB free memory
Input/output . . . . Serial cable and RS-232 serial port (or appropriate adaptor)
Display . . . . Color touch screen (240 × 320 pixels or larger)
reflective screen (or other screen suitable for outdoor viewing)

Windows field device

Operating system . . . . Windows 95, 98, Me, NT 4.0, 2000, or XP
Processor speed . . . . Pentium 400 MHz or faster
Memory . . . . 64 MB RAM, at least 8 MB free memory
Input/output . . . . Serial cable and RS-232 serial port (or appropriate adaptor)

Supported formats

Vector formats

- ESRI Shapefile (.shp)

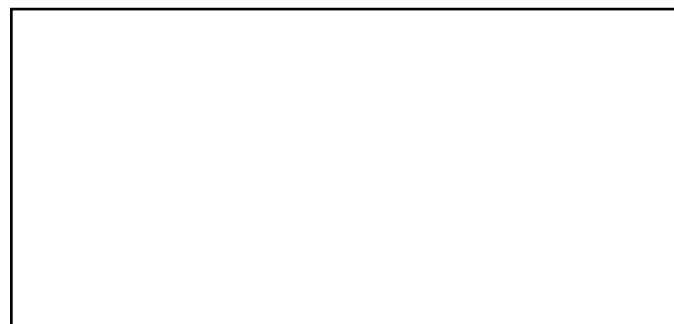#### Raster (image) background formats

- JPEG (.jpeg)
- MrSID (.sid)
- Portable Network Graphic (.png)
- TIFF (.tif)
- Windows bitmap (.bmp)

GPS postprocessing options[1]

- GPS Pathfinder Office software
- Subscription to the online GPS Pathfinder Express service (www.trimble.com/express)

Specifications subject to change without notice.

1 *Requires GPScorrect extension and a supported Trimble GPS receiver.*

YOUR LOCAL TRIMBLE OFFICE OR REPRESENTATIVE

NORTH & SOUTH AMERICA
Trimble Navigation Limited
7403 Church Ranch Blvd ● Suite 100
Westminster, CO 80021 ● USA
+1-720-887-4374 Phone ● +1-720-887-8019 Fax

www.trimble.com

Trimble®