

# SIEMENS

## True Windows User Interface

Wherever possible, Easy-PC uses the same standard menu and command structure as popular office software. You will instantly feel at home with Easy-PC, regardless of whether you are an occasional user or a professional PCB designer. Use of the Windows Multiple Document Interface (MDI) allows both Schematic and PCB along with Library devices and simulation results to be open in their own windows, on screen, simultaneously. Analogue and Digital simulations are run directly from the schematic and Electromagnetic simulations run direct from the PCB.

## Technology Files

Easy-PC for Windows uses technology files (that work like style sheets in a word processor) to enable the configuration of new designs in a matter of seconds. These technology files contain all the manufacturing information relating to the design, like track and pad dimensions, layers used clearances, grid settings etc. helping minimise the chances of costly design errors.

## Sub-circuit re-use

Intelligent copy and paste allows sections of designs to be copied within a design or over to new designs minimising risks and minimising design time. During re-use, connections are offered new net names and components sensibly re-numbered to minimise user effort.

## Component Libraries

Easy-PC is shipped with an enhanced set of libraries, which can be easily integrated with your own libraries. New components can be easily added to your own libraries using the component and symbol editors.

## Import your Old EASY-PC Designs

With the investment in time and effort as well as the precision of creating libraries, the retention of these is of paramount importance. Easy-PC For Windows enables you to import all of your old EASY-PC DOS designs into the new format. All libraries, circuit and component symbols can be imported in the same effortless manner. No other system offers this facility for EASY-PC files

- Integrated Schematic design and PCB layout environment in a true Windows GUI
- Supplied with comprehensive IC and discrete libraries including surface mount components
- True connectivity between Schematic and PCB layouts
- Technology files for rapid design creation
- Comprehensive Design Rule error checking and connectivity reporting
- Rotation of items to 0.1 degree
- 0.1 Micron system resolution

## For more information please contact:

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- Unlimited number of layers, electrical or non electrical \*
- Multiple Undo and redo
- Element Properties defined for each element
- *Integrated interfaces to:*
  - Easy-Router autorouter
  - Analyser Linear circuit simulator program
  - Pulsar Digital circuit simulator program
  - Mechanical CAD programs using DXF.
- Supports Windows graphics drivers and print devices
- Outputs manufacturing information to Gerber (274D, 274X), HPGL and Excellon drilling machines
- Automatic Power-plane generation with thermal relief pads and trace ploughing
- Design in Imperial or Metric units with no rounding errors
- Multi Sheet project based design in schematics
- Intelligent connective bussing in schematics
- Dynamic rubber banding during move
- Net Optimiser simplifies manual routing
- Cut, copy and paste – within the design, to other designs and bitmaps to other programs.
- Infinitely definable Arcs
- Graphical component pre-view
- Drag and drop editing
- Change package type *i.e.* from DIL to SM with graphical pre-view
- On line Help and full paper documentation

## System Limits

- Design Area: Up to 1.0 m by 1.0 m (39" by 39")
- Positional Resolution: Down to 0.1  $\mu$ m (at reduced area)
- Graphic Grid: User-defined to full resolution - metric or inches
- Snap Grid: User-defined to full resolution - metric or inches
- Maximum elements per design:

Components:	Unlimited *
Tracks	Unlimited *
Pads	Unlimited *
Text Strings	Unlimited *
Polygons	Unlimited *
- Maximum Pins per Component: Unlimited \*
- User-defined Components: Unlimited \*
- *Export Formats:*
  - Export to clip board for pasting into DTP and other applications DXF (to AutoCAD and other drawing Packages)
  - Comma Separated Variable for Stockit parts list and Microsoft Excel
- *Import Formats:*
  - EASY-PC (DOS)- designs and libraries (through design import)
  - EASY-PC Professional – designs and libraries
  - EASY-PC Professional XM – designs and libraries
  - Net list import from Orcad (native EDIF net list) and Electronics Workbench

\* These specifications are subject to available machine resources.

- Upgrade options are available from all of the EASY-PC DOS programs
- Pin limited variants (500, 1000 and 2000) are limited to component pin count with no restrictions to functionality at all.

Requires a Pentium PC with 32Mb of RAM, Windows 95, 98, ME, NT4.0 or Win2000, 20Mb hard disk space to install product and a CD-ROM drive.