



# Proteus Platinum Edition

## The complete Proteus VSM and PCB suite

### Summary

Proteus Platinum provides the complete Electronic Design Solution for the modern engineer. This product comes complete with everything in the Proteus suite of product including:

- Professional Schematic Capture module
- Unlimited Professional PCB Layout module
- ProSPICE professional simulation engine
- All Proteus VSM microcontroller families (over 750 processor models).
- Advanced Simulation Features and Proteus USB Transaction Analyser
- Shape based Autorouter
- Over 50,000 library components and footprints

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### PCB Features

PCB Design in Proteus Platinum has unlimited design capacity and includes all available PCB features.

- True Hierarchical Schematic Design.
- Fully Customisable Bill of Materials Reporting Module.
- Interactive Design Explorer with Cross Probing.
- Support for product Assembly Variants.
- Project Notes module (Documentation Centre).
- Formal Design Re-use with Project Clips/Design Snippets.
- BSDL and PADS ASCII Library Part Import Tools.
- 3D Board Visualisation.
- Gerber, ODB++, IDF, PDF, STEP and IGES Output Formats.
- Adaptive Shape Based Autorouter in scriptable or interactive mode.
- Hardware Accelerated Display with Layer Transparency.
- Comprehensive Design Rule Configuration.
- Design Rule Aware Interactive Routing.
- Adaptive Shape Based Autorouter.
- Automatic Power Plane Generation (limited to one per layer).
- Automatic Length Matching / Net tuning of routes.
- Gerber Export.
- Multiple Power Planes per Layer (e.g. an Analog Ground and Digital Ground).
- User drawn Power Planes of specific dimensions.

- Dynamic Teardrops.

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## VSM Families

The Platinum Version includes all the microcontroller variants that we support, across every family, architecture and silicon vendor. This includes :

- Proteus VSM for Microchip Technologies™ PIC10, 12, 16, 18, 24 and dsPIC33.
- Proteus VSM for Atmel® AVR® and Arduino™ AVR®.
- Proteus VSM for Texas Instruments™ MSP430® and PICCOLO®.
- Proteus VSM for NXP 8051 variants.
- Proteus VSM for all ARM® LPC2000, ARM® Cortex™-M0 and ARM® Cortex™-M3 variants.



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## Other Modules

In addition to the unlimited PCB Layout and VSM Simulation software the Platinum Version also includes many supporting modules as standard, including:

- Visual Designer for Arduino™ AVR®.
- Advanced Simulation Features.
- USB Simulation Support.
- All Embedded Peripherals Libraries.

With continual development on the Proteus Design Suite we endeavour to keep all content updated with the latest product details. On rare occasions this may not happen immediately, and website content will then be incomplete or inaccurate. We will attempt to correct any such errors as soon as possible, E&OE.