**PI Expert Design Software**

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| |  | | --- | | **New Features in PI Expert v8.0**   * New interactive Full schematic design view * Complete listing of Bill of Materials (BOM) * Now supports LinkSwitch-CV designs * Thermal design support | | **New Features in PI XLs Designer v8.0**   * Support for HiperPFS™ in Boost topology * Support for HiperTFS™ in Two-Switch Forward topology * Transformer construction is now available for LinkSwitch-II including EMI shielding techniques * LinkSwitch-PH and LinkSwitch-PL flyback topology support |   appstv icon**Video tutorials for PI Expert 8 are COMING SOON. In the meantime, you can see the archived tutorials for Version 7 by [clicking here](http://link.delvenetworks.com/media/?channelId=fb0d41f1c1794001bf1dbbbf9711b6ba&width=940&height=439&playerForm=TabbedPlayer&deepLink=true).** | |  |  | | --- | --- | | New! | *PI Expert® Suite v8.0* simplifies the design of off-line power supplies and DC-DC converters based on PI products.  **[Download the Software Now!](http://www.powerint.com/en/pi-expert-download)** | |

**PI Expert Suite v8.0 consists of three components:**

* PI Expert: an automated, graphical user interface (GUI) driven program that takes power supply specifications and automatically generates a power conversion solution designed around one of Power Integrations' IC families. PI Expert gives you all of the necessary information to build and test a working prototype. This includes complete working schematic, bill of materials (BOM), board layout recommendations and detailed electrical parameter tabulations. PI Expert also provides a complete magnetic design that includes core size, number of turns, appropriate wire thicknesses and number of parallel wires to be used for each winding. Detailed winding instructions for mechanical assembly are also generated. The program reduces design time from days to minutes.
* PI Xls Designer: PI Xls Designer is a spreadsheet based application that gives the power supply designer more control during the design process. Transformer construction support including detailed winding instructions for mechanical assembly is also generated. PI Xls Designer takes input, output and all other necessary design specifications and performs all the necessary calculations to design and evaluate a power conversion solution using Power Integration's ICs.
* PI Viewer: a method for viewing design files created with older versions of PI Expert.

**Design Software Support Overview**

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| **Design Software Support for PI Products** | **PI Expert** | ***PI Xls*** |
| ***DPA-Switch*** | X1 | X2 |
| ***HiperPLC*** |  | X3 |
| ***HiperPFS*** |  | X4 |
| ***HiperTFS*** |  | X5 |
| ***LinkSwitch*** |  | X |
| ***LinkSwitch-II*** |  | X6 |
| ***LinkSwitch-CV*** | X | X |
| ***LinkSwitch-HF*** |  | X |
| ***LinkSwitch-LP*** |  | X |
| ***LinkSwitch-PH*** |  | X |
| ***LinkSwitch-PL*** |  | X |
| ***LinkSwitch-TN*** |  | X7 |
| ***LinkSwitch-XT*** | X | X |
| ***LinkZero-AX*** |  | X |
| ***PeakSwitch*** | X | X |
| ***TinySwitch-II*** | X | X |
| ***TinySwitch-III*** | X | X |
| ***TinySwitch-PK*** | X | X |
| ***TOPSwitch-GX*** | X | X |
| ***TOPSwitch-HX*** | X | X |
| ***TOPSwitch-JX*** |  | X |

*NOTES:*

1. Only supported in the Flyback topology
2. Supported in both the Flyback and Forward topologies
3. Supported in LLC Resonant topology
4. Supported in Boost topology
5. Supported in Two Switch Forward topology
6. Supported in both the Flyback and Tapped-Buck topologies
7. Supported in Flyback, Buck and Buck-Boost topologies

**Get *PI Expert!***

**[Download](http://www.powerint.com/en/pi-expert-download)*[PI Expert Suite v8.0](http://www.powerint.com/en/pi-expert-download)***\* (contains PI Expert, PI Xls and PI Viewer)

*To download the previous version of PI Expert (v7.1), [click here](http://www.powerint.com/sites/default/files/piexpertsuite/PIExpertSuite_v_7_Setup.exe).*

**Installation Instructions**

**For users installing *PI Expert Suite for* the first time:**

1. Download and run the PI Expert Suite v.8.0 installer to install all tools (PI Expert, PI Xls, and PI Viewer).
2. Assuming that you left the "Yes, check for program updates" box that appears during the install checked, the installer will check for updates before it completes the installation. To take advantage of this feature, ensure you have the "Yes, check for program updates" box checked, have an Internet connection, and then click Finish. The InstallShield program will check for updates for each tool that you installed, and automatically download and update the software to support the latest products. Follow the prompts to update all of the tools to the latest version.

**Get *PI Expert*Technical Support**

[Frequently Asked Questions](http://www.powerint.com/design-support/pi-expert-design-software/pi-expert-faqs)

*[PI Expert Suite](http://www.powerint.com/en/forum/technical-forums/pi-expert-support)*[Support Forum](http://www.powerint.com/en/forum/technical-forums/pi-expert-support)