

The following documents are provided with the General Purpose I/O Controller (GPIO) product:

- ▶ *General Purpose I/O Controller Integration Guide*  
Describes the top-level interface signals of the GPIO, how to connect the top-level interfaces to the surrounding SoC logic, and the structure of the integration testbench that is included with the GPIO product.
- ▶ *General Purpose I/O Controller User Guide*  
Provides functional and programming related information, including descriptions of all special function registers (SFRs).
- ▶ *XPack Guide for AMBA IP*  
Describes how to configure and download AMBA IP products from the IPextreme IP Distribution and Support Portal and how to simulate and synthesize them in your local environment.
- ▶ *General Purpose I/O Controller Release Note*  
Provides release-specific information, including supported EDA tools, new features, and any known issues and workarounds.

Additional documents are available from the sources listed below:

- ▶ *XPack User Guide*  
General information for working with the IPextreme IP Distribution and Support Portal and XPack tools. The *XPack User Guide* is available on the IPextreme IP Distribution and Support Portal (<https://xpack.ip-extreme.com>) and in the tools/doc directory of your local XPack tools installation (\$XPACKHOME/tools/doc/xpack\_ug.pdf).
- ▶ *General Purpose I/O Controller Errata*  
The most up-to-date information regarding any known issues associated with the current release of the GPIO. You can find the *General Purpose I/O Controller Errata* on the IPextreme IP Distribution and Support Portal (<https://xpack.ip-extreme.com>) at the “docs” link for the General Purpose I/O Controller product. If “Errata Sheet” does not appear in the list of available documents, then there are no known issues.
- ▶ *AMBA Specification* (Revision 2.0); ARM® Limited
- ▶ *Design Compiler Reference Manual*, Synopsys, Inc.

# Working with the Documentation Set

The IPextreme documentation is delivered in .pdf format, which you can view using Adobe Reader software. You can download the Adobe Reader software for free from [www.adobe.com](http://www.adobe.com).

The GPIO documentation from IPextreme uses hyperlinks between documents. These hyperlinks depend on all of the source and target documents being located in a single directory, as they are in the doc directory of your GPIO installation. You can copy individual documents to another location. However, for the inter-document links to function, you must copy the entire doc directory to the new location.

## Searching Documents

You can also search an individual document or the entire documentation set. If you are using Adobe Acrobat Reader 6.0 or later, you can use the Edit>Search feature to select a specific set of PDF files to search. For example, you can search all PDF files in the doc directory of your GPIO installation to locate all instances of a specific term in all of the GPIO documents listed above.

## Bookmarks and Hyperlinks

When following a bookmark or hyperlink, the default behavior of the Adobe Reader is to place the target of the bookmark or link (for example, the target figure title) at the top of your display. If you prefer to view the entire page that contains the link target, you can do so by editing your Adobe Reader preferences. In the Edit>Preferences>Page Display dialog, set Default Page Layout to Single Page.

## Getting Help

To get help with the GPIO, send e-mail to [support@ip-extreme.com](mailto:support@ip-extreme.com).

If you are an IPextreme customer with a current support contract, log on to the IPextreme IP Distribution and Support Portal at <https://xpack.ip-extreme.com>.

For information about IPextreme products and services, go to [www.ip-extreme.com](http://www.ip-extreme.com).