

These release notes for the FFT MegaCore® function version 7.1 contain the following information:

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System Requirements

The FFT MegaCore function has the same system requirements as the Quartus® II software.



For system requirements and installation instructions, refer to *Quartus II Installation & Licensing for Windows* or *Quartus II Installation & Licensing for UNIX & Linux Workstations*.

New Features & Enhancements

The following list outlines new features and enhancements in this release:

- Full support for Stratix® II GX devices
- Full support for HardCopy® II devices
- Preliminary support for Arria™ GX devices
- Enhanced variable streaming FFT:
 - Input and output orders include:
 - Natural order
 - Bit reversed
 - $-N/2$ to $N/2$
 - Reduced memory requirements
 - Support for 8 to 32 bit data and twiddle width

Errata Fixed in This Release

The following errata were fixed in this release:

- FFT Deasserts sink_ready Signal With No Backpressure
- Variable Streaming FFT Outputs Invalid Data
- Incorrect Inverse Functionality for Variable Streaming FFT



For existing up-to-date errata, refer to the *FFT MegaCore Function v7.1 Errata Sheet* on the Altera® website at www.altera.com/literature/es/es_fft_71.pdf.

Contacting Altera

Although every effort has been made to ensure that this version of the FFT MegaCore function works correctly, if problems occur, use the following contact information to communicate issues to the appropriate Altera representative.

For technical support or other information about Altera products, go to the Altera website at www.altera.com. You can also contact Altera through your local sales representative or any of the sources listed in [Table 1](#).

Table 1. Contacting Altera

Information Type	USA & Canada	All Other Locations
Technical support	www.altera.com/mysupport/	www.altera.com/mysupport/
	800-800-EPLD (3753) 7:00 a.m. to 5:00 p.m. Pacific Time	+1 408-544-8767 7:00 a.m. to 5:00 p.m. (GMT -8:00) Pacific Time
Product literature	www.altera.com	www.altera.com
Altera literature services	literature@altera.com	literature@altera.com
Nontechnical customer service	800-767-3753	+ 1 408-544-7000 7:00 a.m. to 5:00 p.m. (GMT -8:00) Pacific Time
FTP site	ftp.altera.com	ftp.altera.com

Revision History

[Table 2](#) shows the revision history for the FFT MegaCore function.

Table 2. FFT MegaCore Function Revision History

Version	Date	Revision
7.1	May 2007	See “New Features & Enhancements” on page 1 .
7.0	December 2006	Support for Cyclone® III devices.
6.1	December 2006	<ul style="list-style-type: none"> • Support for variable streaming • Support for Stratix® III devices • Avalon® Streaming interfaces.
2.2.1	April 2006	Maintenance release.
2.2.0	October 2005	<ul style="list-style-type: none"> • Preliminary support for HardCopy II and Stratix II GX devices • Fixed errata found in FFT MegaCore function v2.2.0



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