



These release notes for the Altera® RapidIO™ MegaCore® function version 7.0 contain the following information:

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System Requirements

The RapidIO 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* on the Altera website:

www.altera.com/literature/lit-qts.jsp

New Features & Enhancements

The following new feature is included in this release:

- Cyclone® III device support

Errata Fixed in This Release

No errata were fixed in this release.

For existing up-to-date errata, refer to the *RapidIO MegaCore Function v7.0 Errata Sheet* on the Altera website:

www.altera.com/literature/es/es_es_rapidio_70.pdf

Contact Altera

Although every effort has been made to ensure that this version of the RapidIO 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](#).

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 RapidIO MegaCore Function.

Version	Date	Revision
7.0	December 2006	<ul style="list-style-type: none"> ● Support for Cyclone III devices ● No errata were fixed in this release.
6.1	December 2006	<ul style="list-style-type: none"> ● Support for Doorbell Message packets ● Support for Stratix® III devices
3.1.1	August 2006	Errata fixed in this release: <ul style="list-style-type: none"> ● Timeout and Interrupt Occur When Transport Layer Processes an Odd Number of Consecutive 64-bit Packets ● Input-Output Avalon Master Returns Incorrect Read Data ● Invalid Read Data From RXSYM Register if RXCTRL Register Bit Zero Not Set ● Read Response Can Be Lost ● Control Symbol Transmit Queue Not Cleared Properly When MegaCore Function Is Reset

Table 2. RapidIO MegaCore Function Revision History (Part 2 of 2)

Version	Date	Revision
3.1.0	April 2006	Errata fixed in this release: <ul style="list-style-type: none"> ● SWRITE request packets are not supported ● NWRITE_R request packets are not supported ● The MegaCore function fails to signal maintenance read request errors ● The RapidIO I/O write short packet is formatted improperly ● Word ordering is incorrect inside RapidIO packets ● An incorrect CRC is generated for short serial RapidIO packets of six bytes ● IP Toolbench fails when generating a MegaCore function variation if the I/O Logical Layer or I/O Maintenance Logical Layer is enabled but the transport layer is not
3.0.1	January 2006	<ul style="list-style-type: none"> ● Improved support for the Transport and Logical layers ● Improved read (NREAD) and write (NWRITE) request processing
3.0.0	October 2005	<ul style="list-style-type: none"> ● Transport and Logical layers, with an Avalon® interface ● Optional XGMII interface for serial physical layer implementation in Cyclone® II, Stratix II, or HardCopy® II devices with an external transceiver
2.2.2	April 2005	Maintenance release.



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