

These release notes for the SerialLite II MegaCore® function contain the following information:

- System Requirements
- New Features & Enhancements
- Adobe Reader version 5.0 or higher, for viewing PDF documentation
- Obtain & Install the SerialLite II MegaCore Function
- Contact Altera
- Revision History

System Requirements

To use the SerialLite II MegaCore function, the following system requirements exist:

- A computer running any of the following operating systems:
 - Windows 2000/XP
 - Red Hat Linux 8.0
 - Red Hat Enterprise Linux 3 WS (with support for 32-bit, AMD64, or Intel EM64T workstations)
 - Solaris 8 or 9 (32-bit or 64-bit)
- Quartus® II software version 5.1
- Adobe Reader version 5.0 or higher, for viewing PDF documentation

New Features & Enhancements

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

- Maintenance release
 - Fixes the retry-on-error feature thus ensuring that segments are transmitted uninterrupted (except for link management packets) without being suspended or continued
 - Allows lane rates above 3.125 gigabits per second (Gbps) and transfer sizes of 4 when using the Quartus II version 5.1 Stratix® II GX Device Pack

Errata Fixed in This Release

The following errata were fixed in this maintenance release:

- Some configurations are not operational in Stratix II GX devices (only partly fixed).
- Retry-on-error problems with packets greater than the segment size.

For existing up-to-date errata, refer to the SerialLite II MegaCore function errata sheet on the errata page on the Altera web site at www.altera.com/literature/es/es_slite2_101.pdf.

Obtain & Install the SerialLite II MegaCore Function

Before you can start using the SerialLite II MegaCore function, you must obtain the files and install them on your computer. Altera MegaCore functions can be installed from the MegaCore IP Library CD-ROM during or after Quartus II installation, or downloaded individually from the Altera web site and installed separately.



The following instructions describe the process of downloading and installing the SerialLite II MegaCore function. If you already have installed the SerialLite II from the MegaCore IP Library CD-ROM, skip to “[Directory Structure](#)” on page 3.

Download the SerialLite II MegaCore Function

If you have Internet access, you can download the SerialLite II MegaCore function from Altera’s web site at www.altera.com. Follow the instructions below to obtain the SerialLite II MegaCore function from the Internet. If you do not have Internet access, contact your local Altera representative to obtain the MegaCore IP Library CD-ROM.

1. Point your web browser to www.altera.com/ipmegastore.
2. Type SerialLite in the IP MegaSearch box.
3. Click **Go**.
4. Choose **SerialLite II** from the search results page. The product description web page displays.
5. Click **Download Free Evaluation** on the top right of the product description web page. Fill out the registration form and click **Submit Request**.
6. Read the Altera MegaCore license agreement. Turn on the **I have read the license agreement** check box and click **Proceed to Download Page**.
7. Follow the instructions on the SerialLite II download and installation page to download the SerialLite II MegaCore function and save it to your hard disk.



Be sure you download the MegaCore function download file specifically for the operating system you will be using.

Install the SerialLite II MegaCore Function Files

The following instructions describe how you install the SerialLite II on computers running the Windows, Linux, and Solaris operating systems.

Windows

Follow these steps to install the SerialLite II MegaCore function on a PC running a supported version of the Windows operating system:

1. Choose **Run** (Windows Start menu).
2. Type `<path name>\seriallite_ii-v1.0.1.exe`, where `<path name>` is the location of the downloaded MegaCore function.
3. Click **OK**. The **SerialLite II** Installation dialog box appears. Follow the on-screen instructions to finish installation.

Solaris & Linux

Follow these steps to install the SerialLite II on a computer running supported versions of the Solaris and Linux operating systems:

1. Move the compressed files to the desired installation directory and make that directory your current directory.
2. Decompress the package by typing the following command:

```
gzip -d seriallite_ii-v1.0.1_linux.tar.gz
```

or

```
gzip -d seriallite_ii-v1.0.1_solaris.tar.gz
```

3. Extract the package by typing the following command:

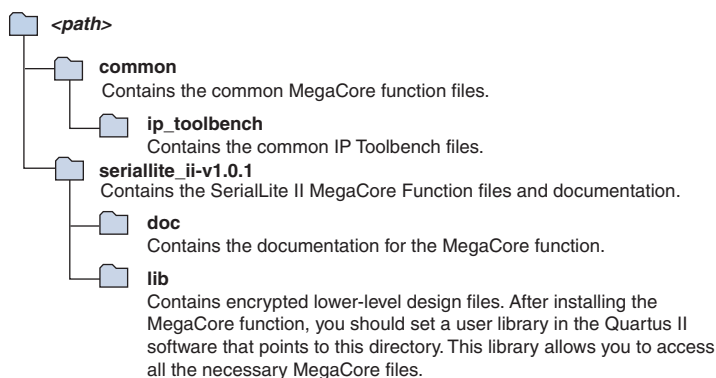
```
tar xvf seriallite_ii-v1.0.1_linux.tar
```

or

```
tar xvf seriallite_ii-v1.0.1_solaris.tar
```

Directory Structure

Figure 1 on page 4 shows the directory structure after you install the SerialLite II, where `<path>` is the installation directory.

Figure 1. Directory Structure

Contact Altera

Although every effort has been made to ensure that this version of the SerialLite II 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 world-wide web site 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
Non-technical 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 SerialLite II MegaCore function.

Table 2. SerialLite II MegaCore Function Revision History		
Version	Date	Revision
1.0.1	December 2005	See “New Features & Enhancements”.
1.0.0	October 2005	Initial release.



101 Innovation Drive
San Jose, CA 95134
(408) 544-7000
www.altera.com
Applications Hotline:
(800) 800-EPLD
Literature Services:
literature@altera.com

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