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## Libero SoC v12.5 SP1 Release Notes

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### Introduction

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Service Pack 1 (SP1) for the Libero® system on chip (SoC) v12.5 is now available.

Libero SoC v12.5 SP1 is an important update that includes enhancements released since the general availability of Libero SoC v12.5.

These release notes contain only information related to Libero v12.5 SP1. For general information related to Libero SoC v12.5, refer to the [Libero SoC v12.5 Release Notes](#).

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## 1. Libero SoC v12.5 SP1 Software Release Notes

These release notes contain important information about the Libero® system on chip (SoC) v12.5 SP1 unified design suite.

### 1.1 Customer Notification (CN) and Customer Advisory Notification (CAN) Support

Libero SoC v12.5 SP1 includes changes that address certain important issues. For more information about these issues, refer to [www.microsemi.com/company/quality/product-notifications/cn/asic-soc-fpga](http://www.microsemi.com/company/quality/product-notifications/cn/asic-soc-fpga).

#### 1.1.1 Timing Paths May be Missing from Static Timing Analysis (STA) for the SmartFusion2, IGLOO2, RTG4, and PolarFire Product Families

Ongoing software quality testing on Libero SoC has found minor Static Timing Analysis (STA) coverage issues, preventing complete analysis of the path through combinational cells for specific scenarios for the SmartFusion2, IGLOO2, RTG4, and PolarFire Product Families. With the Libero SoC releases listed below, these issues have been corrected, allowing SmartTime to produce a complete static timing analysis.

- Libero SoC v12.5 and later for RTG4 and PolarFire
- Libero SoC v12.5 SP1 and later for SmartFusion2 and IGLOO2

For more information, refer to CN20022.

### 1.2 Support for Embedded FlashPro6 on iCicle Kit

Libero, FlashPro Express, and SmartDebug v12.5 SP1 and later support version **b** of the Embedded FlashPro6 on iCicle Kit.

There are two ways to determine whether you need to update embedded FlashPro6:

- If the older version of embedded FlashPro6 is detected when using Libero, FlashPro Express, and SmartDebug from 12.5 SP1, the following message appears in the log window:  
`Original version of Embedded FP6 'serial number' is found. It must be updated to work this version of the Software. Please refer to the software release note on how to update it.`  
**Note:** The older embedded FP6 is not available for the tools to select.
- Use Windows Device Manager or the Linux `lsusb` command to verify the Embedded FlashPro6 version. The old version of embedded FlashPro6 appears as **Embedded FP6**, while the new version, required by v12.5 SP1, appears as **Embedded FP6b**.

To update the embedded FlashPro6, download the [job file](#), unzip the compressed file, and follow the instructions in the [README file](#).

## 2. Download Libero SoC v12.5 SP1 Software

The following are available for download:

- [Libero SoC v12.5 SP1 for Linux](#)
- [Libero SoC v12.5 SP1 for Windows](#)
- [Program & Debug \(Linux\)](#)
- [Program & Debug \(Windows\)](#)

Libero SoC v12.5 SP1 is an incremental service pack and must be installed over Libero SoC v12.5.

**Note:** Windows installations require administrative privileges.

After a successful installation, clicking **Help-> About Libero** shows release number v12.5 SP1.

**3. Revision History**

Revision	Date	Description
A	11/2020	Initial Revision

### 4. Microchip FPGA Technical Support

Microchip FPGA Products Group backs its products with various support services, including Customer Service, Customer Technical Support Center, a website, and worldwide sales offices. This section provides information about contacting Microchip FPGA Products Group and using these support services.

#### 4.1 Customer Service

Contact Customer Service for non-technical product support, such as product pricing, product upgrades, update information, order status, and authorization.

- From North America, call **800.262.1060**
- From the rest of the world, call **650.318.4460**
- Fax, from anywhere in the world, **650.318.8044**

#### 4.2 Customer Technical Support

Microchip FPGA Products Group staffs its Customer Technical Support Center with highly skilled engineers who can help answer your hardware, software, and design questions about Microchip FPGA Products. The Customer Technical Support Center spends a great deal of time creating application notes, answers to common design cycle questions, documentation of known issues, and various FAQs. So, before you contact us, please visit our online resources. It is very likely we have already answered your questions.

You can communicate your technical questions through our Web portal and receive answers back by email, fax, or phone. Also, if you have design problems, you can upload your design files to receive assistance. We constantly monitor the cases created from the web portal throughout the day. When sending your request to us, please be sure to include your full name, company name, and your contact information for efficient processing of your request.

Technical support can be reached at [soc.microsemi.com/Portal/Default.aspx](https://soc.microsemi.com/Portal/Default.aspx).

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#### 4.3 Website

You can browse a variety of technical and non-technical information on the Microchip FPGA Products Group [home page](#), at [www.microsemi.com/soc](http://www.microsemi.com/soc).

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Customers needing assistance outside the US time zones can either contact technical support at (<https://soc.microsemi.com/Portal/Default.aspx>) or contact a local sales office.

Visit [About Us](#) for [sales office listings](#) and [corporate contacts](#).

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- **Product Support** – Data sheets and errata, application notes and sample programs, design resources, user's guides and hardware support documents, latest software releases and archived software
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- **Business of Microchip** – Product selector and ordering guides, latest Microchip press releases, listing of seminars and events, listings of Microchip sales offices, distributors and factory representatives

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## Customer Support

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- Distributor or Representative
- Local Sales Office
- Embedded Solutions Engineer (ESE)
- Technical Support

Customers should contact their distributor, representative or ESE for support. Local sales offices are also available to help customers. A listing of sales offices and locations is included in this document.

Technical support is available through the website at: [www.microchip.com/support](http://www.microchip.com/support)

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