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## **License and Confidentiality Agreement (the 'Agreement') for the use of Synaptic Laboratories Ltd. (SLL) Intellectual Property (IP) on Trenz Electronic GmbH products**

**SLL Legal Agreement Number:**  
LA-IDX-00000211 (v1.01)

**Issued by the Authorised Product Distributer and Licensor:**  
Synaptic Laboratories Ltd  
Company ID 41272593

**Issued to:**  
Trenz Electronic GmbH customers

**Issued on:**  
July 5, 2018

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### Preamble

Trenz Electronic GmbH ( "TRENZ", [www.trenz-electronic.de/](http://www.trenz-electronic.de/) ) sell HyperBus enabled development boards and System on Modules (SoM). Synaptic Laboratories Ltd ( SLL, [www.synaptic-labs.com](http://www.synaptic-labs.com) ) provides the HyperBus Memory Controller (HBMC) IP that is promoted by the HyperBus memory manufacturers Cypress Semiconductor Corp ( "CYPRESS", [www.cypress.com](http://www.cypress.com) ) and Integrated Silicon Solution Inc. ( "ISSI", [www.issi.com](http://www.issi.com) ) and other key companies including Intel, Arrow and more.

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This Agreement includes one or more other documents that are incorporated by reference into this Agreement in their entirety.

a) The full text of the following document is incorporated into this Agreement:

**Definitions, Extended Terms and Conditions**, Version 1.01, 1 July 2018

SLL Legal Agreement Number: LA-ID-0007

Length: 14 pages

Link to the full text:

<https://synaptic-labs.s3.amazonaws.com/licenses/20180701-LA-ID-0007-ExtendedTerms.pdf>

(SHA-256 digest: 087f874181beb7fe49b2f3898a887c60bc0c33ca7538c99592cb100a750f7bfc)

This document is hereafter called the "Extended Terms" document. When this Agreement references a specific Provision in the Extended Terms document, it will for example be written as P.1.2.3.

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## License Credential for SLL's HyperBus Memory Controller (HBMC) IP On Xilinx FPGA and SoC FPGA Devices for HyperRAM and HyperFlash

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| <b>SLL License Credential Number:</b> LC-ID-00000004 (v1.01)                     |   |
| <b>Issued on:</b>  | 5 July 2018   |
| <b>Associated with Quote:</b>  | Not associated with a Quote.  |
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| <b>Name of Licensed Product/s:</b>   | Free Trial Licence for Full Edition of S/Labs HBMC IP for Xilinx FPGA with 10 minute runtime and no license expiration date.  |
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| <b>Support:</b>  | Limited email and phone support is provided for this Free Trial License by SLL solely at SLL's discretion.  |
| <b>Permitted FPGA/ASIC Vendor:</b>   | Xilinx  |

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| <b>Supported Device/s:</b>  | Xilinx : Series 7 : Artix<br>Xilinx : Series 7 : Spartan<br>Xilinx : Series 7 : Kinetix<br>Xilinx : Series 7 : Zynq   |
| <b>License Key lock type:</b>   | Unlocked  |
| <b>Number of Seats:</b>   | Unlimited   |
| <b>Network Interface Card (NIC) identifier:</b>                                 | Can be used with any NIC identifier.  |
| <b>Licensed Product is tethered to the desktop at runtime:</b>                  | No  |
| <b>FPGA bitstream can be programmed into FPGA SRAM:</b>                         | Yes   |
| <b>FPGA bitstream can be programmed into Flash:</b>                             | Yes   |
| <b>Simulation Support:</b>  | No  |
| <b>Runtime Limiter Embedded in the Soft IP:</b>                                 | Yes. The Runtime Limiter Embedded in the Soft IP triggers after 10 minutes.   |
| <b>How to get the Licensed Product associated with this License Credential:</b> | The HBMC IP is bundled in TRENZ's reference designs targeted to HyperBus enabled Trenz products. Contact TRENZ ( <a href="http://www.trenz-electronic.de/">www.trenz-electronic.de/</a> ) for more information. |
| <b>License Key:</b>   | No License Key is required to use the Licensed Product.   |

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## License Credential for SLL's HyperBus Memory Controller IP (HBMC) On Intel FPGA and SoC FPGA Devices for HyperRAM and HyperFlash

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LC-ID-00000005 is published in a separate text file. This file can typically be found in the SLL HBMC IP folder of reference designs containing our IP.

The Quartus Prime License Key is embedded in LC-ID-00000005. If required, search the phrase "[Intel FPGA Software Installation and Licensing Quick Start](#)" on the Internet for guidance on how to install the License Key in Quartus Prime.

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## Modifications to this License Agreement

Recall that this Agreement is comprised of this text and the text found in other documents that are incorporated herein by reference. All text must be considered together, and be accepted as forming one complete Agreement. See Provision [P.12.8] of the Extended Terms for more information.

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Signature for the Authorised Product Distributer and Licensor  
Synaptic Laboratories Ltd.



**Name:** Benjamin Aaron Gittins  
**Job Title:** Chief Technical Officer  
**Phone:** +995 551 026 588  
**Date:** 5 July 2018

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