



Lattice Avant PLL Module

IP Version: v2.6.0

Release Notes

FPGA-RN-02066-1.0

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1. Introduction

This document contains the Release Notes for the Lattice Avant PLL Module. For specific details about the IP, refer to the following:

- [Lattice Avant PLL Module User Guide \(FPGA-IPUG-02220\)](#)

Lattice Avant PLL Module v2.6.0

Software	Software Version	Summary of Changes
Lattice Radiant	2024.2	• De-feature Config wait for lock. • Updated constraint. • Added limitation on maximum VCO when using dynamic phase shift with phase advance. • Updated CLKPHY output divider range up to 256.

Lattice Avant PLL Module Earlier Versions

IP Version	Summary of Changes
2.5.0	Added bandwidth initialization logic.
2.4.0	• Set the LOSS_LOCK_DETECTION parameter to disable. • Updated device name.
2.3.0	Restricted feedback divider to integer only when using external clock as feedback.
2.2.0	Updated VCO range and parameter optimization calculation.
2.1.0	• Updated port name in constraint file. • Added the CONFIG_WAIT_FOR_LOCK parameter.
2.0.0	Added support for Lattice Avant devices.

References

- [Lattice Avant PLL Module User Guide \(FPGA-IPUG-02220\)](#)
- [Avant-E](#) web page
- [Avant-G](#) web page
- [Avant-X](#) web page
- [Lattice Radiant Software](#) web page
- [Lattice Insights](#) for Lattice Semiconductor training courses and learning plans

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For frequently asked questions, please refer to the Lattice Answer Database at www.latticesemi.com/Support/AnswerDatabase.



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