



MPCS Module

IP Version: v1.9.0

Release Notes

FPGA-RN-02088-1.1

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1. Introduction

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

- [MPCS Module User Guide \(FPGA-IPUG-02118\)](#)

MPCS Module v1.9.0

Software	Software Version	Summary of Changes
Lattice Radiant	2025.2	<ul style="list-style-type: none">• Removed LFMXO5-100T and LFMXO5-55T device support.• Added Attributes for PLLA, PLLB and PLLC.

MPCS Module v1.8.0

Software	Software Version	Summary of Changes
Lattice Radiant	2025.1	<ul style="list-style-type: none">• Fixed RXEQ settings for 10GE protocol.• Added 81 MHz reference clock support for DP/eDP protocol.

MPCS Module Earlier Versions

IP Version	Summary of Changes
1.7.0	Fixed PCS-bypass mode testbench support.
1.6.0	Added JESD204B support.
1.5.0	<ul style="list-style-type: none">• Removed PCIe support.• Updated Quad1 instantiation.• Added supported data rates for SLVS_EC.
1.4.0	<ul style="list-style-type: none">• Added support for LFMXO5 devices.• Updated PCIe mode to fix dynamic rate change functionality.
1.3.0	<ul style="list-style-type: none">• Added support for UT24CP devices.• Updated SERDES Tuning parameters based on characterization results.
1.2.0	<ul style="list-style-type: none">• Added Secondary Skip Pattern setting.• Added Word Alignment Pattern Mask Code setting.• Added Adaptive Equalization and Algorithm for all three data rates.• Updated 6-Lane PCS for X2 and X6 integration.• Updated Modes and Number of Lanes for DP/eDP protocol.
1.1.0	<ul style="list-style-type: none">• Added customer testbench.• Added support for G8B10B protocol.• Added support for dynamic selection of reference clock.• Added support to use External PLL in 10GE PCS mode.• Added SERDES tab.• Updated metadata to support a new IP Engine.• Updated 6-Lane PCS implementation.• Removed RXAUI protocol.
1.0.0	Initial release.

References

- [MPCS Module User Guide \(FPGA-IPUG-02118\)](#)
- [CertusPro-NX](#) web page
- [MachXO5-NX](#) web page
- [Lattice Propel Design Environment](#) web page
- [Lattice Radiant Software](#) web page
- [Lattice Insights](#) for Lattice Semiconductor training courses and learning plans

Technical Support Assistance

Submit a technical support case through www.latticesemi.com/techsupport.

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



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