



MPPHY Module

IP Version: v2.6.0

Release Notes

FPGA-RN-02043-1.4

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1. Introduction

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

- [MPPHY Module User Guide \(FPGA-IPUG-02233\)](#)

MPPHY Module v2.6.0

Software	Software Version	Summary of Changes
Lattice Radiant	2025.2	<ul style="list-style-type: none">• Added support for LN2-CT-20ES1 devices.• Added continuous data rate support for JESD204B and JESD204C protocols.• Added support for DP_eDP_2.7G (Oversampling PMA 8.1G).• Enhanced testbench to support far end parallel loopback and RX-to-TX parallel loopback.• Enabled PMA Control RX Adaptation Mode GUI option.

Lattice Avant-G/X MPPHY Module v2.5.0

Software	Software Version	Summary of Changes
Lattice Radiant	2025.1.1	<ul style="list-style-type: none">• Added support for 25GAUI protocol.• Added RX-to-TX parallel loopback mode.• Added Ethernet mix mode lane merging feature.• Added continuous data rate support for Generic 8b10b and 64b66b, and PCS Bypass modes.• Enhanced testbench to support Generic 8b10b and 64b66b, and PCS Bypass modes.• Enhanced testbench to support near end TX-to-RX loopback and TX-to-RX serial loopback.

Lattice Avant-G/X MPPHY Module v2.4.0

Software	Software Version	Summary of Changes
Lattice Radiant	2025.1	<ul style="list-style-type: none">• Added support for 1000BASE-KX, 2.5GBASE-KX, 5GBASE-R, and RXAUI, XAUI.• Added support for SLVS_EC 1.25G and 2.5G rates.• Fixed clock settings for Generic and PCS bypass modes.• Enhanced testbench for JESD204B/C, PIPE Direct Gen2, Gen3, and Gen4.• Added support for JESD204B_1G, JESD204C_8G, and JESD204C_12G. All protocols support x1, x2, x4, x6, and x8.

Lattice Avant-G/X MPPHY Module v2.3.0

Software	Software Version	Summary of Changes
Lattice Radiant	2024.2.1	<ul style="list-style-type: none">• Added JESD204C normal transaction test.• Updated data width support for generic modes.• Added TX-to-RX serial loopback support.• Removed 10GBASE-KR and 25GBASE-KR support.

Lattice Avant-G/X MPPHY Module v2.2.0

Software	Software Version	Summary of Changes
Lattice Radiant	2024.2	<ul style="list-style-type: none">Added support for CoaXpress, CPRI, JESD204C, and SLVS-EC protocol modes.Added multi-quad support.

Lattice Avant-G/X MPPHY Module Earlier Versions

IP Version	Summary of Changes
2.1.0	<ul style="list-style-type: none">Added support for DP/eDP, SyncE, generic, JESD204B, and PCS bypassed modes.
2.0.0	<ul style="list-style-type: none">New MPPHY parameters and ports.
1.1.0	<ul style="list-style-type: none">Added reset and configure manager (RCM) support.Updated testbench to support RCM-enabled test.
1.0.0	<ul style="list-style-type: none">Initial release.

References

- [MPPHY Module User Guide \(FPGA-IPUG-02233\)](#)
- [Avant-G web page](#)
- [Avant-X web page](#)
- [Certus-N2 web page](#)
- [Lattice Radiant Software web page](#)
- [Lattice Propel Design Environment web page](#)
- [Lattice Insights](#) for Lattice Semiconductor training courses and learning plans

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For frequently asked questions, refer to the Lattice Answer Database at
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