



25G Ethernet MAC+PHY IP

IP Version: v2.1.0 (LAV-AT-X70)

IP Version: v1.0.3 (LAV-AT-X70ES)

Release Notes

FPGA-RN-02034-1.0

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1. Introduction

This document contains the Release Notes for the 25G Ethernet MAC + PHY IP. For specific details about the IP, refer to the following:

- [25G Ethernet MAC + PHY IP User Guide \(FPGA-IPUG-02249\)](#)

Note: These release notes document the changes from IP version v2.1.0 (LAV-AT-X70) and v1.0.3 (LAV-AT-X70ES) for Lattice Radiant™ software version 2024.2 and above.

25G Ethernet MAC + PHY IP v2.1.0 (LAV-AT-X70)

Software	Software Version	Summary of Changes
Lattice Radiant	2024.2	<ul style="list-style-type: none"> • Enabled the RS-FEC feature. • Enabled the FC-FEC feature. • Enabled SyncE support. • Enhanced the statistic counter feature by adding a counter for cumulative number of bytes transmitted or received. • Fixed the driver code enablement in the Propel Builder software. • Changed the IP name in the Radiant software from 25Gb Ethernet to 25G Ethernet MAC + PHY.

25G Ethernet MAC + PHY IP v1.0.3 (LAV-AT-X70ES)

Software	Software Version	Summary of Changes
Lattice Radiant	2024.2	Radiant software 2024.2 support.

25G Ethernet MAC + PHY IP v2.0.0 (LAV-AT-X70), v1.0.2 (LAV-AT-X70ES), and Below

Software	Software Version	Summary of Changes
Lattice Radiant	2024.1 and below	Refer to the Release Notes section in <i>introduction.html</i> in the Radiant software installation folder or the IP server for details on changes made in previous versions of this IP.

References

- [25G Ethernet MAC + PHY IP User Guide \(FPGA-IPUG-02249\)](#).
- [Avant-X](#) web page
- [25Gb Ethernet MAC + PHY IP Core](#) web page
- [Lattice Solutions IP Cores](#) web page
- [Lattice Solutions Reference Designs](#) web page
- [Lattice Solutions Boards](#) web page
- [Lattice Solutions Demonstrations](#) web page
- [Lattice Propel Builder](#) software web page
- [Lattice Radiant](#) FPGA design 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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