OpenLDI/FPD-Link/LVDS Transmitter IP

IP Version: v1.9.0

Release Notes

FPGA-RN-02012-1.3

June 2026

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1. Introduction

This document contains the Release Notes for the FPD-Link Transmitter IP. For specific details about the IP, refer to the following:

- OpenLDI/FPD-Link/LVDS Transmitter IP User Guide (FPGA-IPUG-02117)

OpenLDI/FPD-Link/LVDS Transmitter IP v1.9.0

Software	Software Version	Summary of Changes
Lattice Radiant™	2026.1	• Added support for LFD2NX-15P and LFD2NX-25P devices. • Added support for LFMXO5-25P device. • Included other general IP enhancements. **Note:** There are no updates to the IP user guide for this release. Refer to the OpenLDI/FPD-Link/LVDS Transmitter IP User Guide (FPGA-IPUG-02117, v1.6) for the applicable documentation.

OpenLDI/FPD-Link/LVDS Transmitter IP v1.8.0

Software	Software Version	Summary of Changes
Lattice Radiant	2025.2	• Updated licensing by removing IP-specific license strings. The FPD-Link Transmitter IP is now provided at no additional cost with the Lattice Radiant software. • Updated customer testbench to fix data mismatch simulation error. • Updated constraint file. • Updated RTL for CSR bug fix.

OpenLDI/FPD-Link/LVDS Transmitter IP v1.7.0

Software	Software Version	Summary of Changes
Lattice Radiant	2025.1	Added support for LFD2NX-15 and LFD2NX-25 devices.

OpenLDI/FPD-Link/LVDS Transmitter IP v1.6.0

Software	Software Version	Summary of Changes
Lattice Radiant	2024.2	• Added support for Certus™-N2 devices. • Added support for LFD2NX-9 and LFD2NX-28 devices.

OpenLDI/FPD-Link/LVDS Transmitter IP Earlier Versions

IP Version	Summary of Changes
1.5.0	Added Certus-N2 support (early release).
1.4.0	• Added Radiant 2024.1 support. • Added support for Unified Video Streaming interface. • Added Data type Dynamic Reconfiguration feature. • Added support for AXI4-Lite interface.
1.3.1	• Updated Avant™ primitives for Radiant 2024.2 compatibility. • Fixed design and testbench issue related to *JEIDA* format pixel mapping.
1.3.0	• Added LFD2NX-17, LIFCL, and LAV-AT support. • Added Propel™ support.

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IP Version	Summary of Changes
	• Added AXI4-Stream Interface. • Testbench enhancement for AXI4-Stream configuration.
1.2.0	Added LFMXO5-25 support.
1.1.0	• Added support for JEIDA/VESA mode. • Added CertusPro™-NX support.
1.0.1	Testbench enhancement.
1.0.0	Initial release.

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References

- OpenLDI/FPD-Link/LVDS Transmitter IP User Guide (FPGA-IPUG-02117)
- Avant-E web page
- Avant-G web page
- Avant-X web page
- Certus-N2 web page
- Certus-NX web page
- CertusPro-NX web page
- CrossLink-NX web page
- MachXO5-NX web page
- FPD-Link Transmitter IP Core web page
- Lattice Propel Builder software
- Lattice Radiant FPGA design software
- Lattice Insights for Lattice Semiconductor training courses and learning plans

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