



GPIO IP

IP Version: v1.8.0

Release Notes

FPGA-RN-02026-1.1

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1. Introduction

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

- [GPIO IP User Guide \(FPGA-IPUG-02076\)](#)

GPIO IP v1.8.0

Software	Software Version	Summary of Changes
Lattice Radiant	2025.1	Updated the Customer Testbench GSR.

GPIO IP v1.7.0

Software	Software Version	Summary of Changes
Lattice Radiant	2024.2	Added the APB interface support for the iCE40 UltraPlus devices.

GPIO IP Earlier Versions

IP Version	Summary of Changes
1.6.2	Updated the driver to add version information and remove warnings.
1.6.1	Updated the APB to the LMMI bridge.
1.6.0	Added support for all devices.
1.5.0	- Added support for CertusPro-NX devices. - Updated the GSR instance in the testbench.
1.4.1	Fixed the combinational loop.
1.4.0	Added support for MachXO2, MachXO3L, and MachXO3LF devices.
1.3.0	- Added an option to remove tri-state buffer. - Added support for Mach-NX devices.
1.2.0	Added support for MachXO3D and Certus-NX devices.
1.1.0	Added support for CrossLink-NX devices.
1.0.0	Initial release.

References

- [GPIO IP User Guide \(FPGA-IPUG-02076\)](#)
- [Certus-N2](#) web page
- [Certus-NX](#) web page
- [CertusPro-NX](#) web page
- [CrossLink-NX](#) web page
- [iCE40 UltraPlus](#) web page
- [GPIO IP Core](#) web page
- [Lattice Propel Design Environment](#) web page
- [Lattice Radiant Software](#) web page
- [Lattice Insights](#) web page for Lattice Semiconductor training courses and learning plans

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