



AMD Instinct™ MI350X Firmware Changes

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Chapter 1: Introduction

This document provides release notes for the AMD Instinct™ MI350X accelerator firmware, including enhancements and key fixes.

Chapter 2: Release Contents

The following table details the versions of the constituent firmware and software components in this release. The **Previous Component Details** are included for reference and represent the component details from the previous release. For convenience, any versions that have changed since the previous release are highlighted. Some versions may remain unchanged across different releases.

Table 2-1 Firmware Bundle Component Versions

Location	Component	Component Detail	Previous Component Detail	Version Number
Bundle	ROT	01080000 (Production)	01080000 (Production)	0x01080000
Bundle	IFWI	0.940.156978	0.920.154947	0x3AC26532
Bundle	SMC	2.11.9.11.2F (Production)	2.11.9.10.6F (Production)	0x01090B2F
Bundle	SMC FPGA	00.26.30	00.26.30	0x00026030
Bundle	UBB FPGA	00.26.30	00.26.30	0x00026030
Bundle	Retimer	2.11.062 2.11.076 2.11.078 2.11.083	2.11.062 2.11.076 2.11.078 2.11.083	0x0200B03E 0x0200B04C 0x0200B04E 0x0200B053
Bundle	Remote Management	G362_PRD_APP_4_2_5_BL1_signed.fnl (production)	G362_PRD_APP_4_2_5_BL1_signed.fnl (production)	0x04002005
Bundle	UBB VR	05.0.7 06.0.7	05.0.7 06.0.7	N/A
Bundle	OAM VR	07.0.73 08.0.82	07.0.73 08.0.82	N/A

Chapter 3: Enhancements

If there are enhancements, the following table details them, organized by domain.

Table 3-1 Enhancements

AMD Ref ID	Domain	Description
N/A	ROCm	rocProfiler (Phase 3 - PC sampling/MI300 Stochastic/HW Based)
N/A	ROCm	4-Node RCCL Optimized (BM)
N/A	ROCm	FP8 data type perf improvement

Chapter 4: Key Fixes

The tables below detail the key fixes in this release, if present, sorted by domain. The "Fixed Known Issues" table includes previously documented issues that have been resolved in this release. The "Fixed New Issues" table lists issues that were not previously documented but have been resolved in this release.

Table 4-1 Fixed New Issues

AMD Ref ID	Domain	Issue	Fix
P177583	RCCL perf	Observed the drop in RCCL performance around 2N & 4N 512MB sizes	HDP enforcing strict ordering

Table 4-2 Fixed Known Issues

AMD Ref ID	Domain	Issue	Fix
S541028	ROCm	Some HPC apps (rochPL/miniHPL) seeing performance degradation	Library update for single/double precision GFX datatypes
S540249	ROCm	ROCm RBT missing test command	Change in tool command line structure - new API
S540913	ROCm	RVS smqt_single - bar qualification failed on single GPU	Deprecated test
P178710	RAS	Multiple Poison Creation and Consumption observed for OndieEcc and CRC Poison Inject	Handshake corrected in driver/firmware-handling for poison
P178908 P179169	Reset	System fails to boot and PCIE link drop seen on OS Reboot Cycles	System FW update

Appendix A: Revision History

The following table provides the document revision history.

Appendix Table A-1 Revision History

Revision Summary
September 2025 Release H25.11.02
<ul style="list-style-type: none"> • Updated the following tables: <ul style="list-style-type: none"> ○ Table 2-1 Firmware Bundle Component Versions ○ Table 3-1 Enhancements ○ Table 4-1 Fixed New Issues ○ Table 4-2 Fixed Known Issues • Appendix Table A-1: Added Revision History table
July 2025 Release H25.09.03
Initial release



Appendix B: Notices

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