



E1M-AEN Errata

Known issues and advisories

Document Number: ER-AEN-001 **Revision:** 0.1 **Date:** May 2026 **Status:** Preliminary

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1 Scope

This document is the canonical errata list for the **E1M-AEN family** of Alp Lab System-on-Modules (E1M-AEN301 through E1M-AEN801). It tracks:

- **Hardware** issues against specific module-PCB revisions.
- **Firmware** issues against specific factory-image revisions.
- **Documentation** errors against specific datasheet / HW-guide revisions.

This errata complements but does not replace the **Alif Semiconductor Ensemble** SoC errata (published separately by Alif). SoC-level issues are not duplicated here unless they materially affect the AEN module integration or have a different mitigation on the SoM.

2 Module-Revision History

Revision	Production status	Notes
Rev. A	Engineering samples only	Pre-production. Not for customer shipment.
Rev. B	Pilot run (Q1 2026)	First customer-shipped revision.
Rev. C	Volume production (current)	Active.

Table 1 Module-PCB revision history

3 Errata at Current Revision (Rev. C)

Note: No known errata at this revision. The table below is reserved for future entries. When a new issue is identified, an entry will be added below describing the problem, affected SKUs and revisions, severity, status, and customer-side workaround (if any).

ID	Title	Affected SKUs	Affected rev.	Severity	Status / Workaround
–	–	–	–	–	–

Table 2 Active errata

4 Resolved Errata

Note: No resolved errata to report. Once an entry from the active list is closed, it moves here with its resolving module-revision tagged in the **Resolved-in** column.

ID	Title	Affected SKUs	Affected rev.	Resolved in
–	–	–	–	–

Table 3 Resolved errata

5 Severity Conventions

Level	Meaning
Critical	Renders the affected SKU unusable in the application class it is intended for. Field-recall criterion.
Major	Significant functional impact requiring a non-trivial customer-side mitigation. Documented in the active list with a clearly described workaround.
Minor	Observable but does not block any documented use case. Mitigation is optional.
Documentation	Wrong value or unclear statement in a published document; no hardware/firmware impact. Fixed in the next revision of the affected document.

Table 4 Severity levels

6 Reporting a New Issue

If you believe you’ve identified an issue not listed above:

1. Confirm the module revision (laser-marked on the underside of the SoM).
2. Capture the symptom (logs, photos, oscilloscope traces, measurement conditions).
3. File a report through one of the channels in **DS-AEN-001 §18.4** (GitHub Issues for SDK-related; support@alplab.ai for hardware-faulty units; sales@alplab.ai for NDA-covered conversations).

Alp Lab will respond within five business days with an initial triage classification (acknowledged / under-investigation / closed-as-expected).

7 Revision History (of This Document)

Revision	Changes	Date
0.1	Initial published errata. No active entries at this revision.	May 2026

Table 5 Document revision history