

E1M-X V2N-M1 Errata

Known issues and advisories

Document Number: ER-V2N-M1-001 **Revision:** 0.1 **Date:** May 2026 **Status:** Preliminary

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1 Scope

This document is the canonical errata list for the **E1M-X V2N-M1 family** of Alp Lab System-on-Modules (E1M-V2M101, E1M-V2M102). It tracks hardware, firmware, and documentation issues against specific module-PCB and factory-image revisions, including issues specific to the **DeepX DX-M1** on-module AI accelerator.

This errata complements but does not replace:

- The **Renesas RZ/V2N** SoC errata (published by Renesas).
- The **DeepX DX-M1** hardware errata (published by DeepX).
- The **E1M-X V2N Errata** (ER-V2N-001) – issues affecting the V2N base also affect V2N-M1 unless explicitly noted as DX-M1-specific.

2 Module-Revision History

Revision	Production status	Notes
Rev. A	Engineering samples only	Pre-production. Not for customer shipment.
Rev. B	Pilot run (Q2 2026)	First customer-shipped revision.

Table 1 Module-PCB revision history

3 Errata at Current Revision (Rev. B)

Note: No known errata at this revision. All V2N-base errata are reflected in ER-V2N-001; this table is reserved for DX-M1-specific or multiplex-related issues that only manifest on the V2N-M1 SKUs.

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

Table 2 Active errata

4 Resolved Errata

Note: No resolved errata to report at this time.

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

Table 3 Resolved errata

5 Severity Conventions

Same as ER-AEN-001 §4. Critical / Major / Minor / Documentation.

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. Note the **boot DIP-switch state** and the **PCIe-mux state** (DX-M1 vs external M.2) at the moment of failure.
4. For DX-M1-specific issues, capture the `lspci -vvv` output of the DX-M1 device.
5. File a report through one of the channels in DS-V2N-M1-001 §18.4.

Alp Lab will respond within five business days with an initial triage classification.

7 Revision History (of This Document)

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

Table 4 Document revision history