

periMICA

modular Edge Computer



Errata



Abstract

This errata for the *periMICA edge computer* outlines various hardware and software issues impacting performance and reliability. It provides comprehensive updates and corrective actions to address these concerns, ensuring optimal functionality and system stability.

Document Information

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Disclosure Restriction	

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1 E-2024-001: Factory Reset Triggering on Incorrect Voltage

1.1 Product Information

- **Product Name:** *periMICA S3*
- **Model:** *PRN.000.025-00006 ... PRN.000.025-00013*
- **Production date (Hardware Version):** *Up to and including 2024.22*

1.2 Issue Description

- **Description:** The *periMICA* device is designed to perform a factory reset when the voltage supplied to VCC is precisely 9V. However, in hardware versions up to and including 2024.22, the factory reset is incorrectly and only triggered by VCC of 12V, rather than the specified 9V.
- **Impact:** The erroneous factory reset can disrupt normal device operation, causing unintended data loss and potential operational downtime for users relying on the device for critical functions.

1.3 Resolution

- **Solution:** The issue will be resolved in future hardware versions, where the *periMICA* device will only trigger a factory reset when precisely 9V is supplied to VCC, as intended.
- **Workaround:** For hardware versions 2024.22 and earlier, users who wish to trigger a factory reset should supply 12V to VCC. For versions released after 2024.22, the voltage required to trigger a factory reset will be updated to 9V. To avoid unintended factory resets, users should ensure that the voltage supplied to the *periMICA S3* device remains at 24V in all other circumstances.

1.4 Reference Information

- **Documentation:** For further details, please refer to the *periMICA User Guide, Section 7* [1].

2 E-2024-003: Error Adding Perinet Device to periMICA Home Site (Remote Devices)

2.1 Product Information

- **Product Name:** *periMICA*
- **Model:** *All Models*
- **Firmware Version:** *All Versions up to and including 24-01*

2.2 Issue Description

- **Description:** When attempting to add any Perinet device to the periMICA home site via the Settings/Remote Devices menu, an error occurs: 'NoneType' object has no attribute 'split'.
- **Impact:** This error stops users from adding remote Perinet devices when the periMICA is configured to use DHCP. This can disrupt the setup and integration of remote devices, potentially affecting network configuration and management.

2.3 Resolution

- **Solution:** To resolve the issue, users need to temporarily set the periMICA to a static IPv4 address. After assigning a local IPv4 address, such as 192.168.0.x, users can add remote devices. The periMICA can then be switched back to DHCP if necessary.
- **Workaround:** Follow these steps to resolve the error:
 1. Go to *Settings* and select *Network*.
 2. Under "Interface-specific configuration", go to, e.g. "Ethernet (eths3i1, primary)"
 3. Change the periMICA's IPv4 network mode to *Static*.
 4. Assign a local IPv4 address, e.g. 192.168.0.x and a Netmask, e.g. 255.255.255.0.
 5. Proceed to add the remote Perinet devices.
 6. Once added, you can revert the periMICA's network mode back to *DHCP*.
- **Notes:** Ensure that the assigned IPv4 address is within the local network range and does not conflict with other devices.

2.4 Reference Information

- **Documentation:** Refer to the *periMICA User Guide, Section 8 [1]* for detailed network configuration steps.

3 Summary

The above issues have been addressed to ensure the reliability and performance of the *peri-MICA*. We appreciate your patience and understanding.

4 Contact & Support

For customer support, please call us at **+49 30 863 206 701** or send an e-mail to support@perinet.io.

For complete contact information visit us at www.perinet.io

A Glossary

B References

- [1] Perinet GmbH. periMICA User Guide. PRN.100.392. <https://docs.perinet.io/PRN100392-periMICAUserGuide.pdf>.

C Revision History

Revision	Date	Author(s)	Description
1	2024-06-20	clip	Initial Release