

# SICK PSIRT Security Advisory

## Vulnerability in SICK FieldEcho

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Document ID: SCA-2022-0001  
Publication Date: 2022-02-17  
CVE Identifier: CVE-2021-20093  
CVSSv3 Base Score: 9.1 (CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:N/A:H)  
Version: V1.0

## SUMMARY

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WIBU publicly released an advisory for the WIBU product “CodeMeter Runtime Network Server”. The advisory discloses a buffer over-read vulnerability that was found in the WIBU product “CodeMeter Runtime Network Server”.

By default the network server functionality is disabled, however the SICK product “FieldEcho” may be vulnerable, if customers enables this.

SICK has released a new FieldEcho version and recommends updating to the newest version.

Since version 1.5.2 of SICK “FieldEcho”, customer can choose to use their own license server. If so, SICK advises to take action in accordance with the official WIBU Security Advisory.

## AFFECTED PRODUCTS

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Product	Version	Remediation available
SICK FieldEcho	Prior to version 1.5.3	Yes, update to newest version

## VULNERABILITY OVERVIEW

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### **CVE-2021-20093 Buffer Over-Read Attack**

An attacker could send a specially crafted packet that could have the CodeMeter Runtime Network Server send back packets containing data from the heap or crash the server.

**CVE-2021-20093** has been assigned to this vulnerability.

CVSSv3.1 base score: 9.1

CVSSv3.1 vector string: 9.1 (CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:N/A:H)

## GENERAL SECURITY PRACTICES

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As general security measures, SICK recommends to minimize network exposure of the devices, restrict network access and follow recommended security practices in order to run the devices in a protected IT environment.

Additional information on Industrial Security can be found at:

<http://ics-cert.us-cert.gov/content/recommended-practices>

## VULNERABILITY CLASSIFICATION

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SICK performs vulnerability classification by using the CVSS scoring system (CVSS v3.x). The environmental score is dependent on the customer's environment and can affect the overall CVSS score. SICK recommends that customers individually evaluate the environmental score to achieve final scoring.

## RESOURCES

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SICK PSIRT Security Advisories

<https://sick.com/psirt>

SICK Operating Guidelines

[https://cdn.sick.com/media/docs/1/11/411/Special\\_information\\_CYBERSECURITY\\_BY\\_SICK\\_en\\_IM0084411.PDF](https://cdn.sick.com/media/docs/1/11/411/Special_information_CYBERSECURITY_BY_SICK_en_IM0084411.PDF)

Security Advisory from WIBU

[https://cdn.wibu.com/fileadmin/wibu\\_downloads/security\\_advisories/Advisory\\_WIBU-210423-01.pdf](https://cdn.wibu.com/fileadmin/wibu_downloads/security_advisories/Advisory_WIBU-210423-01.pdf)

## HISTORY

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Version	Release Date	Comment
V1	2022-02-17	Initial Release