Document ID: PSA-HMI-2025-003
Published: December 17, 2025
Fuji Electric Co., Ltd.

Security Advisory: Multiple Vulnerabilities in V-SFT
(JVNVU#93984110)

1. Overview

Multiple vulnerabilities (3 in total) have been confirmed in the screen configuration software "V-SFT" provided by Fuji Electric Co., Ltd. If a user opens a specially crafted project file with an affected version of the product, it may lead to abnormal termination (denial of service), information disclosure, or arbitrary code execution. Customers are advised to review the details in this report and consider implementing the necessary actions.

2. Products Affected

Product Name (Model)	Affected Version
V-SFT-6	v6.2.7.0 and prior versions

3. Vulnerability Details

3.1 Contained Vulnerabilities

The product contains the following vulnerabilities:

(1)CVE-2025-54496
- ·Weakness: CWE-122 (Heap-based Buffer Overflow)
- ·CVSS v4.0 Base Score: 8.4 (/AV:L/AC:L/AT:N/PR:N/UI:A/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N)
- ·CVSS v3.1 Base Score: 7.8 (/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H)

(2)CVE-2025-54526
- ·Weakness: CWE-121 (Stack-based Buffer Overflow)
- ·CVSS v4.0 Base Score: 8.4 (/AV:L/AC:L/AT:N/PR:N/UI:A/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N)
- ·CVSS v3.1 Base Score: 7.8 (/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H)

(3)CVE-2025-53524
- ·Weakness: CWE-787 (Out-of-bounds Write)
- ·CVSS v4.0 Base Score: 8.4 (/AV:L/AC:L/AT:N/PR:N/UI:A/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N)
- ·CVSS v3.1 Base Score: 7.8 (/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H)

3.2 Impact

An attacker could potentially execute arbitrary code on the affected system.

4. Remediation

Please update to the fixed version (V6.2.8.0 or later). The update modules and detailed release information are available via the support site of the manufacturer, Hakko Electronics Co., Ltd.

Please access the URL below and search by entering the Document Number:
URL: https://felib.fujielectric.co.jp/ja/document_search?region=jpn&tab=software
Document No.: "25A0H08"

5. Acknowledgements

Fuji Electric extends its sincere gratitude to the following researcher for reporting these vulnerabilities under the Coordinated Vulnerability Disclosure (CVD) process:

Reporter: Michael Heinzl

6.Contact Information

Please contact our local branch offices or distributors where you purchased the product.

7. References

JVNVU#93984110: https://jvn.jp/vu/JVNVU93984110/
CVE-2025-54496: https://www.cve.org/CVERecord?id=CVE-2025-54496
CVE-2025-54526: https://www.cve.org/CVERecord?id=CVE-2025-54526
CVE-2025-53524: https://nvd.nist.gov/vuln/detail/cve-2025-53524

8. Update History

・November 5, 2025: First Edition
・December 17, 2025: Second Edition