Multiple vulnerabilities due to Intel products in multiple FA products (April 2023)

Release date April 27, 2023
Mitsubishi Electric Corporation

■Overview

Multiple vulnerabilities caused by Intel products exist in multiple Mitsubishi Electric FA products.

These vulnerabilities allow a malicious attacker to enable escalation of privilege, disclose parameter information in the affected products, and cause a Denial-of-Service (DoS) condition.

■CVSS

CVE-2020-24512	CVSS:3.1/AV:L/AC:H/PR:L/UI:N/S:C/C:L/I:N/A:N	Base Score:2.8
CVE-2022-0002	CVSS:3.1/AV:L/AC:H/PR:L/UI:N/S:U/C:H/I:N/A:N	Base Score:4.7
CVE-2021-33150	CVSS:3.1/AV:P/AC:L/PR:N/UI:N/S:C/C:H/I:N/A:N	Base Score:5.3
CVE-2021-0127	CVSS:3.1/AV:L/AC:H/PR:L/UI:N/S:C/C:N/I:N/A:H	Base Score:5.6
CVE-2021-0086	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:C/C:H/I:N/A:N	Base Score:6.5
CVE-2021-0089	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:C/C:H/I:N/A:N	Base Score:6.5
CVE-2021-0146	CVSS:3.1/AV:P/AC:H/PR:N/UI:N/S:C/C:H/I:H/A:H	Base Score:7.1
CVE-2020-8670	CVSS:3.1/AV:L/AC:H/PR:H/UI:N/S:C/C:H/I:H/A:H	Base Score:7.5
CVE-2020-24489	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:C/C:H/I:H/A:H	Base Score:8.8

■Affected Products and Affected Vulnerabilities

The affected products and versions are as follows. For details on each vulnerability, please refer to Intel's advisory.

products	Module Name	versions	Applicable Vulnerability	Intel's Advisory
MELIPC series	MI5122-VW, MI1002-W	All versions	CVE-2021-0086	INTEL-SA-00516
			CVE-2021-0089	INTEL-SA-00516
	MI2012-W	All versions	CVE-2020-8670	INTEL-SA-00463
			CVE-2021-0086	INTEL-SA-00516
			CVE-2021-0089	INTEL-SA-00516
			CVE-2021-0127	INTEL-SA-00532
			CVE-2021-33150	INTEL-SA-00609
	MI3321G-W, MI3315G-W	All versions	CVE-2020-24512	INTEL-SA-00464
			CVE-2021-0086	INTEL-SA-00516
			CVE-2021-0089	INTEL-SA-00516
			CVE-2021-0127	INTEL-SA-00532
			CVE-2021-33150	INTEL-SA-00609
MELSEC iQ-R series	R102WCPU-W	All versions	CVE-2020-24489	INTEL-SA-00442
			CVE-2021-0086	INTEL-SA-00516
			CVE-2021-0089	INTEL-SA-00516
			CVE-2021-0146	INTEL-SA-00528
			CVE-2021-33150	INTEL-SA-00609
			CVE-2022-0002	INTEL-SA-00598
MELSEC Q series	Q24DHCCPU-V, Q24DHCCPU-VG, Q24DHCCPU-LS, Q26DHCCPU-LS	All versions	CVE-2021-0086	INTEL-SA-00516
			CVE-2021-0089	INTEL-SA-00516

■Impact

These vulnerabilities allow a malicious attacker to enable escalation of privilege, disclose parameter information in the affected products, and cause a Denial-of-Service (DoS) condition.

■Countermeasures

Please carry out the following mitigations:

■Mitigation

Mitsubishi Electric recommends that customers take the following mitigation measures to minimize the risk of exploiting these vulnerabilities:

- Restrict physical access to the product by unauthorized users.

■Contact information

Please contact your local Mitsubishi Electric representative.

<Inquiries | MITSUBISHI ELECTRIC FA>
https://www.mitsubishielectric.com/fa/support/index.html