Hirschmann HiLCOS OpenBAT BAT450 IPv6 IPsec Firewall Bypass

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Summary

CVE	CVE-2021-4477
State	PUBLISHED
Assigner	VulnCheck
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-03 23:17:01 UTC
Updated	2026-04-03 23:17:01 UTC
Description	Hirschmann HiLCOS OpenBAT and BAT450 products contain a firewall bypass vulnerability in IPv6 IPsec deployments tha

Risk And Classification

Primary CVSS: v4.0 9.3 CRITICAL from disclosure@vulncheck.com

CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:H/VI:H/VA:N/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSC:X/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

Problem Types: CWE-284 | CWE-284 CWE-284 Improper access control

Version	Source	Type	Score	Severity	Vector
4.0	disclosure@vulncheck.com	Secondary	9.3	CRITICAL	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:H/VI:H/VA:N/SC:N/SI:N/S
4.0	CNA	CVSS	9.3	CRITICAL	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:H/VI:H/VA:N/SC:N/SI:N/S
3.1	disclosure@vulncheck.com	Primary	9.1	CRITICAL	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:N
3.1	CNA	CVSS	9.1	CRITICAL	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:N

CVSS v4.0 Breakdown

Attack Vector

Network

Attack Complexity

Low

Attack Requirements

None

Privileges Required

None

User Interaction

None

None

Confidentiality

High

Integrity

High

Availability

None

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:H/VI:H/VA:N/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSC:X/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

None

CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:N

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Belden	Hirschmann HiLCOS OpenBAT	affected 3.80-REL custom	Not specified
CNA	Belden	Hirschmann HiLCOS OpenBAT	affected 8.90-REL custom	Not specified
CNA	Belden	Hirschmann HiLCOS OpenBAT	affected 9.00-REL custom	Not specified
CNA	Belden	Hirschmann HiLCOS OpenBAT	affected 9.00-RU1 custom	Not specified

CNA	Belden	Hirschmann HiLCOS OpenBAT	affected 9.10-REL custom	Not specified
CNA	Belden	Hirschmann HiLCOS OpenBAT	affected 9.12-REL custom	Not specified
CNA	Belden	Hirschmann HiLCOS OpenBAT	affected 9.12-RU1 custom	Not specified
CNA	Belden	Hirschmann HiLCOS OpenBAT	affected 9.12-RU2 custom	Not specified
CNA	Belden	Hirschmann HiLCOS OpenBAT	affected 9.12-RU3 custom	Not specified
CNA	Belden	Hirschmann HiLCOS OpenBAT	affected 9.12-RU4 custom	Not specified
CNA	Belden	Hirschmann HiLCOS OpenBAT	affected 9.12-RU5 custom	Not specified
CNA	Belden	Hirschmann HiLCOS OpenBAT	affected 9.12-RU6 custom	Not specified
CNA	Belden	Hirschmann HiLCOS OpenBAT	affected 9.12-RU7 custom	Not specified
CNA	Belden	Hirschmann HiLCOS OpenBAT	affected 9.12-RU8 custom	Not specified
CNA	Belden	Hirschmann HiLCOS OpenBAT	affected 9.12-RU9 custom	Not specified
CNA	Belden	Hirschmann HiLCOS OpenBAT	affected 9.13-REL custom	Not specified
CNA	Belden	Hirschmann HiLCOS OpenBAT	affected 9.13-RU1 custom	Not specified
CNA	Belden	Hirschmann HiLCOS OpenBAT	affected 10.12-REL custom	Not specified
CNA	Belden	Hirschmann HiLCOS OpenBAT	affected 10.12-RU1 custom	Not specified
CNA	Belden	Hirschmann HiLCOS OpenBAT	unaffected 10.12-RU2 custom	Not specified

References

Reference	Source	Link
www.vulncheck.com/advisories/hirschmann-hilcos-openbat-bat450-ipv6-ipsec-firewa...	disclosure@vulncheck.com	www.vulncheck.com
assets.belden.com/m/5fd1a50fa50cb252/original/Belden-Security-Bulletin-BSECV-1v...	disclosure@vulncheck.com	assets.belden.com
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.