



# CVE-2020-12514

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

## Summary

<b>CVE</b>	CVE-2020-12514
<b>State</b>	PUBLIC
<b>Assigner</b>	info@cert.vde.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2021-01-22 19:15:00 UTC
<b>Updated</b>	2021-01-28 16:26:00 UTC
<b>Description</b>	Pepperl+Fuchs Control IO-Link Master in Version 1.5.48 and below is prone to a NULL Pointer Dereference that leads to a

## Risk And Classification

**Problem Types:** CWE-476

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	<a href="#">Pepperl-fuchs</a>	<a href="#">Io-link Master 4-eip</a>	-	All	All	All
Hardware	<a href="#">Pepperl-fuchs</a>	<a href="#">Io-link Master 4-eip</a>	-	All	All	All
Operating System	<a href="#">Pepperl-fuchs</a>	<a href="#">Io-link Master 4-eip Firmware</a>	All	All	All	All
Hardware	<a href="#">Pepperl-fuchs</a>	<a href="#">Io-link Master 4-pnio</a>	-	All	All	All
Hardware	<a href="#">Pepperl-fuchs</a>	<a href="#">Io-link Master 4-pnio</a>	-	All	All	All
Operating System	<a href="#">Pepperl-fuchs</a>	<a href="#">Io-link Master 4-pnio Firmware</a>	All	All	All	All
Hardware	<a href="#">Pepperl-fuchs</a>	<a href="#">Io-link Master 8-eip</a>	-	All	All	All
Hardware	<a href="#">Pepperl-fuchs</a>	<a href="#">Io-link Master 8-eip</a>	-	All	All	All
Hardware	<a href="#">Pepperl-fuchs</a>	<a href="#">Io-link Master 8-eip-l</a>	-	All	All	All
Hardware	<a href="#">Pepperl-fuchs</a>	<a href="#">Io-link Master 8-eip-l</a>	-	All	All	All
Operating System	<a href="#">Pepperl-fuchs</a>	<a href="#">Io-link Master 8-eip-l Firmware</a>	All	All	All	All
Operating System	<a href="#">Pepperl-fuchs</a>	<a href="#">Io-link Master 8-eip Firmware</a>	All	All	All	All
Hardware	<a href="#">Pepperl-fuchs</a>	<a href="#">Io-link Master 8-pnio</a>	-	All	All	All
Hardware	<a href="#">Pepperl-fuchs</a>	<a href="#">Io-link Master 8-pnio</a>	-	All	All	All
Hardware	<a href="#">Pepperl-fuchs</a>	<a href="#">Io-link Master 8-pnio-l</a>	-	All	All	All
Hardware	<a href="#">Pepperl-fuchs</a>	<a href="#">Io-link Master 8-pnio-l</a>	-	All	All	All
Operating System	<a href="#">Pepperl-fuchs</a>	<a href="#">Io-link Master 8-pnio-l Firmware</a>	All	All	All	All

Operating System	Pepperl-fuchs	Io-link Master 8-pnio Firmware	All	All	All	All
Hardware	Pepperl-fuchs	Io-link Master Dr-8-eip	-	All	All	All
Hardware	Pepperl-fuchs	Io-link Master Dr-8-eip	-	All	All	All
Hardware	Pepperl-fuchs	Io-link Master Dr-8-eip-p	-	All	All	All
Hardware	Pepperl-fuchs	Io-link Master Dr-8-eip-p	-	All	All	All
Operating System	Pepperl-fuchs	Io-link Master Dr-8-eip-p Firmware	All	All	All	All
Hardware	Pepperl-fuchs	Io-link Master Dr-8-eip-t	-	All	All	All
Hardware	Pepperl-fuchs	Io-link Master Dr-8-eip-t	-	All	All	All
Operating System	Pepperl-fuchs	Io-link Master Dr-8-eip-t Firmware	All	All	All	All
Operating System	Pepperl-fuchs	Io-link Master Dr-8-eip Firmware	All	All	All	All
Hardware	Pepperl-fuchs	Io-link Master Dr-8-pnio	-	All	All	All
Hardware	Pepperl-fuchs	Io-link Master Dr-8-pnio	-	All	All	All
Hardware	Pepperl-fuchs	Io-link Master Dr-8-pnio-p	-	All	All	All
Hardware	Pepperl-fuchs	Io-link Master Dr-8-pnio-p	-	All	All	All
Operating System	Pepperl-fuchs	Io-link Master Dr-8-pnio-p Firmware	All	All	All	All
Hardware	Pepperl-fuchs	Io-link Master Dr-8-pnio-t	-	All	All	All
Hardware	Pepperl-fuchs	Io-link Master Dr-8-pnio-t	-	All	All	All
Operating System	Pepperl-fuchs	Io-link Master Dr-8-pnio-t Firmware	All	All	All	All
Operating System	Pepperl-fuchs	Io-link Master Dr-8-pnio Firmware	All	All	All	All

## References

Reference	Source	Link
PEPPERL+FUCHS: Multiple vulnerabilites in Comtrol IO-Link Master. Affected versions <= 1.5.48 — English (USA)	CONFIRM	<a href="https://cert.vde.com">cert.vde.cc</a>
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.c</a>
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gc</a>

## Vendor Comments And Credit

### Discovery Credit

**LEGACY:** T.Weber (SEC Consult Vulnerability Lab) reported this vulnerability. Coordinated by CERT@VDE.

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

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