



CVE-2019-13946

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064_img.jpg\)](#)

Summary

CVE	CVE-2019-13946
State	PUBLIC
Assigner	productcert@siemens.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2020-02-11 16:15:00 UTC
Updated	2023-04-11 10:15:00 UTC
Description	Profinet-IO (PNIO) stack versions prior V06.00 do not properly limit internal resource allocation when multiple legitimate dia

Risk And Classification

Problem Types: CWE-400

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Siemens	Dk Standard Ethernet Controller	All	All	All	All
Application	Siemens	Dk Standard Ethernet Controller	All	All	All	All
Hardware	Siemens	Ek-ertec 200	-	All	All	All
Hardware	Siemens	Ek-ertec 200	-	All	All	All
Hardware	Siemens	Ek-ertec 200p	-	All	All	All
Hardware	Siemens	Ek-ertec 200p	-	All	All	All
Operating System	Siemens	Ek-ertec 200p Firmware	All	All	All	All
Operating System	Siemens	Ek-ertec 200p Firmware	All	All	All	All
Operating System	Siemens	Ek-ertec 200 Firmware	All	All	All	All
Operating System	Siemens	Ek-ertec 200 Firmware	All	All	All	All
Hardware	Siemens	Im 154-3 Pn Hf	-	All	All	All
Hardware	Siemens	Im 154-3 Pn Hf	-	All	All	All
Operating System	Siemens	Im 154-3 Pn Hf Firmware	All	All	All	All
Operating System	Siemens	Im 154-3 Pn Hf Firmware	All	All	All	All
Hardware	Siemens	Im 154-4 Pn Hf	-	All	All	All
Hardware	Siemens	Im 154-4 Pn Hf	-	All	All	All
Operating System	Siemens	Im 154-4 Pn Hf Firmware	All	All	All	All

Operating System	Siemens	Im 154-4 Pn Hf Firmware	All	All	All	All
Application	Siemens	Profinet Driver	All	All	All	All
Application	Siemens	Profinet Driver	All	All	All	All
Hardware	Siemens	Ruggedcom Rm1224	-	All	All	All
Hardware	Siemens	Ruggedcom Rm1224	-	All	All	All
Operating System	Siemens	Ruggedcom Rm1224 Firmware	All	All	All	All
Operating System	Siemens	Ruggedcom Rm1224 Firmware	All	All	All	All
Hardware	Siemens	Scalance M-800	-	All	All	All
Hardware	Siemens	Scalance M-800	-	All	All	All
Operating System	Siemens	Scalance M-800 Firmware	All	All	All	All
Operating System	Siemens	Scalance M-800 Firmware	All	All	All	All
Hardware	Siemens	Scalance S615	-	All	All	All
Hardware	Siemens	Scalance S615	-	All	All	All
Operating System	Siemens	Scalance S615 Firmware	All	All	All	All
Operating System	Siemens	Scalance S615 Firmware	All	All	All	All
Hardware	Siemens	Scalance W700 leee 802.11n	-	All	All	All
Hardware	Siemens	Scalance W700 leee 802.11n	-	All	All	All
Operating System	Siemens	Scalance W700 leee 802.11n Firmware	All	All	All	All
Hardware	Siemens	Scalance X-200irt	-	All	All	All
Hardware	Siemens	Scalance X-200irt	-	All	All	All
Operating System	Siemens	Scalance X-200irt Firmware	All	All	All	All
Operating System	Siemens	Scalance X-200irt Firmware	All	All	All	All
Hardware	Siemens	Scalance X-300	-	All	All	All
Hardware	Siemens	Scalance X-300	-	All	All	All
Operating System	Siemens	Scalance X-300 Firmware	All	All	All	All
Operating System	Siemens	Scalance X-300 Firmware	All	All	All	All
Hardware	Siemens	Scalance X-400	-	All	All	All
Hardware	Siemens	Scalance X-400	-	All	All	All
Operating System	Siemens	Scalance X-400 Firmware	All	All	All	All
Operating System	Siemens	Scalance X-400 Firmware	All	All	All	All
Hardware	Siemens	Scalance Xb-200	-	All	All	All
Hardware	Siemens	Scalance Xb-200	-	All	All	All
Operating System	Siemens	Scalance Xb-200 Firmware	All	All	All	All
Operating System	Siemens	Scalance Xb-200 Firmware	All	All	All	All
Hardware	Siemens	Scalance Xc-200	-	All	All	All

Hardware	Siemens	Scalance Xc-200	-	All	All	All
Operating System	Siemens	Scalance Xc-200 Firmware	All	All	All	All
Operating System	Siemens	Scalance Xc-200 Firmware	All	All	All	All
Hardware	Siemens	Scalance Xf-200	-	All	All	All
Hardware	Siemens	Scalance Xf-200	-	All	All	All
Hardware	Siemens	Scalance Xf-200ba	-	All	All	All
Hardware	Siemens	Scalance Xf-200ba	-	All	All	All
Operating System	Siemens	Scalance Xf-200ba Firmware	All	All	All	All
Operating System	Siemens	Scalance Xf-200ba Firmware	All	All	All	All
Operating System	Siemens	Scalance Xf-200 Firmware	All	All	All	All
Operating System	Siemens	Scalance Xf-200 Firmware	All	All	All	All
Hardware	Siemens	Scalance Xm-400	-	All	All	All
Hardware	Siemens	Scalance Xm-400	-	All	All	All
Operating System	Siemens	Scalance Xm-400 Firmware	All	All	All	All
Operating System	Siemens	Scalance Xm-400 Firmware	All	All	All	All
Hardware	Siemens	Scalance Xp-200	-	All	All	All
Hardware	Siemens	Scalance Xp-200	-	All	All	All
Operating System	Siemens	Scalance Xp-200 Firmware	All	All	All	All
Operating System	Siemens	Scalance Xp-200 Firmware	All	All	All	All
Hardware	Siemens	Scalance Xr-300wg	-	All	All	All
Hardware	Siemens	Scalance Xr-300wg	-	All	All	All
Operating System	Siemens	Scalance Xr-300wg Firmware	All	All	All	All
Operating System	Siemens	Scalance Xr-300wg Firmware	All	All	All	All
Hardware	Siemens	Scalance Xr524	-	All	All	All
Hardware	Siemens	Scalance Xr524	-	All	All	All
Operating System	Siemens	Scalance Xr524 Firmware	All	All	All	All
Operating System	Siemens	Scalance Xr524 Firmware	All	All	All	All
Hardware	Siemens	Scalance Xr526	-	All	All	All
Hardware	Siemens	Scalance Xr526	-	All	All	All
Operating System	Siemens	Scalance Xr526 Firmware	All	All	All	All
Operating System	Siemens	Scalance Xr526 Firmware	All	All	All	All
Hardware	Siemens	Scalance Xr528	-	All	All	All
Hardware	Siemens	Scalance Xr528	-	All	All	All
Operating System	Siemens	Scalance Xr528 Firmware	All	All	All	All
Operating System	Siemens	Scalance Xr528 Firmware	All	All	All	All

Hardware	Siemens	Scalance Xr552	-	All	All	All
Hardware	Siemens	Scalance Xr552	-	All	All	All
Operating System	Siemens	Scalance Xr552 Firmware	All	All	All	All
Operating System	Siemens	Scalance Xr552 Firmware	All	All	All	All
Hardware	Siemens	Simatic Cp 1604	-	All	All	All
Hardware	Siemens	Simatic Cp 1604	-	All	All	All
Operating System	Siemens	Simatic Cp 1604 Firmware	All	All	All	All
Operating System	Siemens	Simatic Cp 1604 Firmware	All	All	All	All
Hardware	Siemens	Simatic Cp 1616	-	All	All	All
Hardware	Siemens	Simatic Cp 1616	-	All	All	All
Operating System	Siemens	Simatic Cp 1616 Firmware	All	All	All	All
Operating System	Siemens	Simatic Cp 1616 Firmware	All	All	All	All
Hardware	Siemens	Simatic Cp 343-1	-	All	All	All
Hardware	Siemens	Simatic Cp 343-1	-	All	All	All
Hardware	Siemens	Simatic Cp 343-1 Advanced	-	All	All	All
Hardware	Siemens	Simatic Cp 343-1 Advanced	-	All	All	All
Operating System	Siemens	Simatic Cp 343-1 Advanced Firmware	All	All	All	All
Operating System	Siemens	Simatic Cp 343-1 Advanced Firmware	All	All	All	All
Hardware	Siemens	Simatic Cp 343-1 Erpc	-	All	All	All
Hardware	Siemens	Simatic Cp 343-1 Erpc	-	All	All	All
Operating System	Siemens	Simatic Cp 343-1 Erpc Firmware	All	All	All	All
Operating System	Siemens	Simatic Cp 343-1 Erpc Firmware	All	All	All	All
Operating System	Siemens	Simatic Cp 343-1 Firmware	All	All	All	All
Operating System	Siemens	Simatic Cp 343-1 Firmware	All	All	All	All
Hardware	Siemens	Simatic Cp 343-1 Lean	-	All	All	All
Hardware	Siemens	Simatic Cp 343-1 Lean	-	All	All	All
Operating System	Siemens	Simatic Cp 343-1 Lean Firmware	All	All	All	All
Operating System	Siemens	Simatic Cp 343-1 Lean Firmware	All	All	All	All
Hardware	Siemens	Simatic Cp 443-1	-	All	All	All
Hardware	Siemens	Simatic Cp 443-1	-	All	All	All
Hardware	Siemens	Simatic Cp 443-1 Advanced	-	All	All	All
Hardware	Siemens	Simatic Cp 443-1 Advanced	-	All	All	All
Operating System	Siemens	Simatic Cp 443-1 Advanced Firmware	All	All	All	All
Operating System	Siemens	Simatic Cp 443-1 Advanced Firmware	All	All	All	All
Operating System	Siemens	Simatic Cp 443-1 Firmware	All	All	All	All
Operating System	Siemens	Simatic Cp 443-1 Firmware	All	All	All	All

Hardware	Siemens	Simatic Cp 443-1 Opc Ua	-	All	All	All
Hardware	Siemens	Simatic Cp 443-1 Opc Ua	-	All	All	All
Operating System	Siemens	Simatic Cp 443-1 Opc Ua Firmware	All	All	All	All
Operating System	Siemens	Simatic Cp 443-1 Opc Ua Firmware	All	All	All	All
Hardware	Siemens	Simatic Et200al Im 157-1 Pn	-	All	All	All
Hardware	Siemens	Simatic Et200al Im 157-1 Pn	-	All	All	All
Operating System	Siemens	Simatic Et200al Im 157-1 Pn Firmware	All	All	All	All
Operating System	Siemens	Simatic Et200al Im 157-1 Pn Firmware	All	All	All	All
Hardware	Siemens	Simatic Et200ecopn	-	All	All	All
Hardware	Siemens	Simatic Et200ecopn	-	All	All	All
Operating System	Siemens	Simatic Et200ecopn Firmware	All	All	All	All
Operating System	Siemens	Simatic Et200ecopn Firmware	All	All	All	All
Hardware	Siemens	Simatic Et200mp Im155-5 Pn Hf	-	All	All	All
Hardware	Siemens	Simatic Et200mp Im155-5 Pn Hf	-	All	All	All
Operating System	Siemens	Simatic Et200mp Im155-5 Pn Hf Firmware	All	All	All	All
Operating System	Siemens	Simatic Et200mp Im155-5 Pn Hf Firmware	All	All	All	All
Hardware	Siemens	Simatic Et200mp Im155-5 Pn St	-	All	All	All
Hardware	Siemens	Simatic Et200mp Im155-5 Pn St	-	All	All	All
Operating System	Siemens	Simatic Et200mp Im155-5 Pn St Firmware	All	All	All	All
Operating System	Siemens	Simatic Et200mp Im155-5 Pn St Firmware	All	All	All	All
Hardware	Siemens	Simatic Et200m Im153-4 Pn lo Hf	-	All	All	All
Hardware	Siemens	Simatic Et200m Im153-4 Pn lo Hf	-	All	All	All
Operating System	Siemens	Simatic Et200m Im153-4 Pn lo Hf Firmware	All	All	All	All
Operating System	Siemens	Simatic Et200m Im153-4 Pn lo Hf Firmware	All	All	All	All
Hardware	Siemens	Simatic Et200m Im153-4 Pn lo St	-	All	All	All
Hardware	Siemens	Simatic Et200m Im153-4 Pn lo St	-	All	All	All
Operating System	Siemens	Simatic Et200m Im153-4 Pn lo St Firmware	All	All	All	All
Operating System	Siemens	Simatic Et200m Im153-4 Pn lo St Firmware	All	All	All	All
Hardware	Siemens	Simatic Et200pro	-	All	All	All
Hardware	Siemens	Simatic Et200pro	-	All	All	All
Operating System	Siemens	Simatic Et200pro Firmware	All	All	All	All
Operating System	Siemens	Simatic Et200pro Firmware	All	All	All	All
Hardware	Siemens	Simatic Et200s	-	All	All	All
Hardware	Siemens	Simatic Et200s	-	All	All	All
Hardware	Siemens	Simatic Et200sp Im155-6 Pn Basic	-	All	All	All

Hardware	Siemens	Simatic Et200sp Im155-6 Pn Basic	-	All	All	All
Operating System	Siemens	Simatic Et200sp Im155-6 Pn Basic Firmware	All	All	All	All
Operating System	Siemens	Simatic Et200sp Im155-6 Pn Basic Firmware	All	All	All	All
Hardware	Siemens	Simatic Et200sp Im155-6 Pn Hf	-	All	All	All
Hardware	Siemens	Simatic Et200sp Im155-6 Pn Hf	-	All	All	All
Operating System	Siemens	Simatic Et200sp Im155-6 Pn Hf Firmware	All	All	All	All
Operating System	Siemens	Simatic Et200sp Im155-6 Pn Hf Firmware	All	All	All	All
Hardware	Siemens	Simatic Et200sp Im155-6 Pn St	-	All	All	All
Hardware	Siemens	Simatic Et200sp Im155-6 Pn St	-	All	All	All
Operating System	Siemens	Simatic Et200sp Im155-6 Pn St Firmware	All	All	All	All
Operating System	Siemens	Simatic Et200sp Im155-6 Pn St Firmware	All	All	All	All
Operating System	Siemens	Simatic Et200s Firmware	All	All	All	All
Operating System	Siemens	Simatic Et200s Firmware	All	All	All	All
Application	Siemens	Simatic Ipc Support	All	All	All	All
Application	Siemens	Simatic Ipc Support	All	All	All	All
Hardware	Siemens	Simatic Mv420	-	All	All	All
Hardware	Siemens	Simatic Mv420	-	All	All	All
Operating System	Siemens	Simatic Mv420 Firmware	All	All	All	All
Operating System	Siemens	Simatic Mv420 Firmware	All	All	All	All
Hardware	Siemens	Simatic Mv440	-	All	All	All
Hardware	Siemens	Simatic Mv440	-	All	All	All
Operating System	Siemens	Simatic Mv440 Firmware	All	All	All	All
Operating System	Siemens	Simatic Mv440 Firmware	All	All	All	All
Hardware	Siemens	Simatic Pn/pn Coupler	-	All	All	All
Operating System	Siemens	Simatic Pn/pn Coupler Firmware	All	All	All	All
Hardware	Siemens	Simatic Pn/pn Coupler	-	All	All	All
Hardware	Siemens	Simatic Pn/pn Coupler	-	All	All	All
Operating System	Siemens	Simatic Pn/pn Coupler Firmware	All	All	All	All
Operating System	Siemens	Simatic Pn/pn Coupler Firmware	All	All	All	All
Hardware	Siemens	Simatic Rf180c	-	All	All	All
Hardware	Siemens	Simatic Rf180c	-	All	All	All
Operating System	Siemens	Simatic Rf180c Firmware	All	All	All	All
Operating System	Siemens	Simatic Rf180c Firmware	All	All	All	All
Hardware	Siemens	Simatic Rf182c	-	All	All	All
Hardware	Siemens	Simatic Rf182c	-	All	All	All
Operating System	Siemens	Simatic Rf182c Firmware	All	All	All	All

Operating System	Siemens	Simatic Rf182c Firmware	All	All	All	All
Operating System	Siemens	Simatic Rf182c Firmware	All	All	All	All
Hardware	Siemens	Simatic Rf600	-	All	All	All
Hardware	Siemens	Simatic Rf600	-	All	All	All
Operating System	Siemens	Simatic Rf600 Firmware	All	All	All	All
Operating System	Siemens	Simatic Rf600 Firmware	All	All	All	All
Hardware	Siemens	Sinamics Dcp	-	All	All	All
Hardware	Siemens	Sinamics Dcp	-	All	All	All
Operating System	Siemens	Sinamics Dcp Firmware	All	All	All	All
Operating System	Siemens	Sinamics Dcp Firmware	All	All	All	All

References

Reference	Source	Link	Tags
Siemens PROFINET-IO Stack (Update B) CISA	MISC	www.us-cert.gov	Third Party Advisory, US Government Resc
cert-portal.siemens.com/productcert/pdf/ssa-780073.pdf	MISC	cert-portal.siemens.com	Vendor Advisory
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

No vendor comments have been submitted for this CVE.

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

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