SSA-557804: Mirror Port Isolation Vulnerability in SCALANCE X Switches

Publication Date: 2019-03-12
Last Update: 2022-07-12
Current Version: V1.4
CVSS v3.1 Base Score: 5.4

SUMMARY

A vulnerability was identified in several SCALANCE X switches that could allow an attacker to feed information into a network via the mirror port with the monitor barrier feature enabled.

Siemens has released updates for the affected products and recommends to update to the latest versions.

AFFECTED PRODUCTS AND SOLUTION

Affected Product and Versions	Remediation
SCALANCE X204-2 (6GK5204-2BB10-2AA3): All versions < V5.2.6	Update to V5.2.6 or later version https://support.industry.siemens.com/cs/ww/en/view/109811753/ See further recommendations from section Workarounds and Mitigations
SCALANCE X204-2FM (6GK5204-2BB11-2AA3): All versions < V5.2.6	Update to V5.2.6 or later version https://support.industry.siemens.com/cs/ww/en/view/109811753/ See further recommendations from section Workarounds and Mitigations
SCALANCE X204-2LD (6GK5204-2BC10-2AA3): All versions < V5.2.6	Update to V5.2.6 or later version https://support.industry.siemens.com/cs/ww/en/view/109811753/ See further recommendations from section Workarounds and Mitigations
SCALANCE X204-2LD TS (6GK5204-2BC10-2CA2): All versions < V5.2.6	Update to V5.2.6 or later version https://support.industry.siemens.com/cs/ww/en/view/109811753/ See further recommendations from section Workarounds and Mitigations
SCALANCE X204-2TS (6GK5204-2BB10-2CA2): All versions < V5.2.6	Update to V5.2.6 or later version https://support.industry.siemens.com/cs/ww/en/view/109811753/ See further recommendations from section Workarounds and Mitigations
SCALANCE X206-1 (6GK5206-1BB10-2AA3): All versions < V5.2.6	Update to V5.2.6 or later version https://support.industry.siemens.com/cs/ww/en/view/109811753/ See further recommendations from section Workarounds and Mitigations

SCALANCE X206-1LD (6GK5206-1BC10-2AA3): All versions < V5.2.6	Update to V5.2.6 or later version https://support.industry.siemens.com/cs/ww/en/view/109811753/ See further recommendations from section Workarounds and Mitigations
SCALANCE X208 (6GK5208-0BA10-2AA3): All versions < V5.2.6	Update to V5.2.6 or later version https://support.industry.siemens.com/cs/ww/en/view/109811753/ See further recommendations from section Workarounds and Mitigations
SCALANCE X208PRO (6GK5208-0HA10-2AA6): All versions < V5.2.6	Update to V5.2.6 or later version https://support.industry.siemens.com/cs/ww/en/view/109811753/ See further recommendations from section Workarounds and Mitigations
SCALANCE X212-2 (6GK5212-2BB00-2AA3): All versions < V5.2.6	Update to V5.2.6 or later version https://support.industry.siemens.com/cs/ww/en/view/109811753/ See further recommendations from section Workarounds and Mitigations
SCALANCE X212-2LD (6GK5212-2BC00-2AA3): All versions < V5.2.6	Update to V5.2.6 or later version https://support.industry.siemens.com/cs/ww/en/view/109811753/ See further recommendations from section Workarounds and Mitigations
SCALANCE X216 (6GK5216-0BA00-2AA3): All versions < V5.2.6	Update to V5.2.6 or later version https://support.industry.siemens.com/cs/ww/en/view/109811753/ See further recommendations from section Workarounds and Mitigations
SCALANCE X224 (6GK5224-0BA00-2AA3): All versions < V5.2.6	Update to V5.2.6 or later version https://support.industry.siemens.com/cs/ww/en/view/109811753/ See further recommendations from section Workarounds and Mitigations
SCALANCE X302-7 EEC (2x 24V) (6GK5302-7GD00-2EA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X302-7 EEC (2x 24V, coated) (6GK5302-7GD00-2GA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X302-7 EEC (2x 230V) (6GK5302-7GD00-4EA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations

SCALANCE X302-7 EEC (2x 230V, coated) (6GK5302-7GD00-4GA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X302-7 EEC (24V) (6GK5302-7GD00-1EA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X302-7 EEC (24V, coated) (6GK5302-7GD00-1GA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X302-7 EEC (230V) (6GK5302-7GD00-3EA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X302-7 EEC (230V, coated) (6GK5302-7GD00-3GA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X304-2FE (6GK5304-2BD00-2AA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X306-1LD FE (6GK5306-1BF00-2AA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X307-2 EEC (2x 24V) (6GK5307-2FD00-2EA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X307-2 EEC (2x 24V, coated) (6GK5307-2FD00-2GA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X307-2 EEC (2x 230V) (6GK5307-2FD00-4EA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations

SCALANCE X307-2 EEC (2x 230V, coated) (6GK5307-2FD00-4GA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X307-2 EEC (24V) (6GK5307-2FD00-1EA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X307-2 EEC (24V, coated) (6GK5307-2FD00-1GA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X307-2 EEC (230V) (6GK5307-2FD00-3EA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X307-2 EEC (230V, coated) (6GK5307-2FD00-3GA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X307-3 (6GK5307-3BL00-2AA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X307-3 (6GK5307-3BL10-2AA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X307-3LD (6GK5307-3BM00-2AA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X307-3LD (6GK5307-3BM10-2AA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X308-2 (6GK5308-2FL00-2AA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations

SCALANCE X308-2 (6GK5308-2FL10-2AA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X308-2LD (6GK5308-2FM00-2AA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X308-2LD (6GK5308-2FM10-2AA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X308-2LH (6GK5308-2FN00-2AA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X308-2LH (6GK5308-2FN10-2AA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X308-2LH+ (6GK5308-2FP00-2AA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X308-2LH+ (6GK5308-2FP10-2AA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X308-2M (6GK5308-2GG00-2AA2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X308-2M (6GK5308-2GG10-2AA2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X308-2M PoE (6GK5308-2QG00-2AA2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations

SCALANCE X308-2M PoE (6GK5308-2QG10-2AA2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X308-2M TS (6GK5308-2GG00-2CA2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X308-2M TS (6GK5308-2GG10-2CA2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X310 (6GK5310-0FA00-2AA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X310 (6GK5310-0FA10-2AA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X310FE (6GK5310-0BA00-2AA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X310FE (6GK5310-0BA10-2AA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X320-1 FE (6GK5320-1BD00-2AA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X320-1-2LD FE (6GK5320-3BF00-2AA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE X408-2 (6GK5408-2FD00-2AA2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations

SCALANCE XB205-3 (SC) (6GK5205-3BD00-2AB2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XB205-3 (SC) (6GK5205-3BD00-2TB2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XB205-3 (ST/BFOC) (6GK5205-3BB00-2AB2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XB205-3 (ST/BFOC) (6GK5205-3BB00-2TB2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XB205-3LD (6GK5205-3BF00-2AB2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XB205-3LD (6GK5205-3BF00-2TB2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XB208 (6GK5208-0BA00-2AB2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XB208 (6GK5208-0BA00-2TB2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XB213-3 (SC) (6GK5213-3BD00-2AB2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XB213-3 (SC) (6GK5213-3BD00-2TB2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations

SCALANCE XB213-3 (ST/BFOC) (6GK5213-3BB00-2AB2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XB213-3 (ST/BFOC) (6GK5213-3BB00-2TB2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XB213-3LD (6GK5213-3BF00-2AB2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XB213-3LD (6GK5213-3BF00-2TB2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XB216 (6GK5216-0BA00-2AB2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XB216 (6GK5216-0BA00-2TB2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XC206-2 (SC) (6GK5206-2BD00-2AC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XC206-2 (ST/BFOC) (6GK5206-2BB00-2AC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XC206-2SFP (6GK5206-2BS00-2AC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XC206-2SFP EEC (6GK5206-2BS00-2FC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations

SCALANCE XC206-2SFP G (6GK5206-2GS00-2AC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XC206-2SFP G (6GK5206-2GS00-2TC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XC206-2SFP G EEC (6GK5206-2GS00-2FC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XC208 (6GK5208-0BA00-2AC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XC208EEC (6GK5208-0BA00-2FC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XC208G (6GK5208-0GA00-2AC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XC208G (6GK5208-0GA00-2TC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XC208G EEC (6GK5208-0GA00-2FC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XC216 (6GK5216-0BA00-2AC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XC216-4C (6GK5216-4BS00-2AC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations

SCALANCE XC216-4C G (6GK5216-4GS00-2AC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XC216-4C G (EIP Def.) (6GK5216-4GS00-2TC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XC216-4C G EEC (6GK5216-4GS00-2FC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XC216EEC (6GK5216-0BA00-2FC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XC224 (6GK5224-0BA00-2AC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XC224-4C G (6GK5224-4GS00-2AC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XC224-4C G (EIP Def.) (6GK5224-4GS00-2TC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XC224-4C G EEC (6GK5224-4GS00-2FC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XF204 (6GK5204-0BA00-2AF2): All versions < V5.2.6	Update to V5.2.6 or later version https://support.industry.siemens.com/cs/ww/en/view/109811753/ See further recommendations from section Workarounds and Mitigations
SCALANCE XF204 (6GK5204-0BA00-2GF2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations

SCALANCE XF204 DNA (6GK5204-0BA00-2YF2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XF204-2 (6GK5204-2BC00-2AF2): All versions < V5.2.6	Update to V5.2.6 or later version https://support.industry.siemens.com/cs/ww/en/view/109811753/ See further recommendations from section Workarounds and Mitigations
SCALANCE XF204-2BA (6GK5204-2AA00-2GF2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XF204-2BA DNA (6GK5204-2AA00-2YF2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XF206-1 (6GK5206-1BC00-2AF2): All versions < V5.2.6	Update to V5.2.6 or later version https://support.industry.siemens.com/cs/ww/en/view/109811753/ See further recommendations from section Workarounds and Mitigations
SCALANCE XF208 (6GK5208-0BA00-2AF2): All versions < V5.2.6	Update to V5.2.6 or later version https://support.industry.siemens.com/cs/ww/en/view/109811753/ See further recommendations from section Workarounds and Mitigations
SCALANCE XP208 (6GK5208-0HA00-2AS6): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XP208 (6GK5208-0HA00-2TS6): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XP208EEC (6GK5208-0HA00-2ES6): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XP208PoE EEC (6GK5208-0UA00-5ES6): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations

SCALANCE XP216 (6GK5216-0HA00-2AS6): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XP216 (6GK5216-0HA00-2TS6): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XP216EEC (6GK5216-0HA00-2ES6): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XP216POE EEC (6GK5216-0UA00-5ES6): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XR324-4M EEC (2x 24V, ports on front) (6GK5324-4GG00-2ER2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE XR324-4M EEC (2x 24V, ports on front) (6GK5324-4GG10-2ER2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE XR324-4M EEC (2x 24V, ports on rear) (6GK5324-4GG00-2JR2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE XR324-4M EEC (2x 24V, ports on rear) (6GK5324-4GG10-2JR2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE XR324-4M EEC (2x 100-240VAC/60-250VDC, ports on front) (6GK5324-4GG00-4ER2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE XR324-4M EEC (2x 100-240VAC/60-250VDC, ports on front) (6GK5324-4GG10-4ER2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations

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SCALANCE XR324-4M EEC (100-240VAC/60-250VDC, ports on rear) (6GK5324-4GG10-3JR2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations

SCALANCE XR324-4M PoE (24V, ports on front) (6GK5324-4QG00-1AR2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE XR324-4M PoE (24V, ports on front) (6GK5324-4QG00-1AR2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE XR324-4M PoE (24V, ports on rear) (6GK5324-4QG00-1HR2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE XR324-4M PoE (24V, ports on rear) (6GK5324-4QG00-1HR2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE XR324-4M PoE (230V, ports on front) (6GK5324-4QG00-3AR2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE XR324-4M PoE (230V, ports on front) (6GK5324-4QG00-3AR2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
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SCALANCE XR324-4M PoE TS (24V, ports on front) (6GK5324-4QG00-1CR2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE XR324-4M PoE TS (24V, ports on front) (6GK5324-4QG00-1CR2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations

SCALANCE XR324-12M (24V, ports on front) (6GK5324-0GG00-1AR2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE XR324-12M (24V, ports on front) (6GK5324-0GG10-1AR2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SCALANCE XR324-12M (24V, ports on rear) (6GK5324-0GG00-1HR2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
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SCALANCE XR324-12M TS (24V) (6GK5324-0GG10-1CR2): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations

SCALANCE XR324WG (24 x FE, AC 230V) (6GK5324-0BA00-3AR3): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XR324WG (24 X FE, DC 24V) (6GK5324-0BA00-2AR3): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XR328-4C WG (24xFE,4xGE,AC230V) (6GK5328-4FS00-3AR3): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XR328-4C WG (24xFE,4xGE,AC230V) (6GK5328-4FS00-3RR3): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XR328-4C WG (24XFE, 4XGE, 24V) (6GK5328-4FS00-2AR3): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XR328-4C WG (24xFE, 4xGE,DC24V) (6GK5328-4FS00-2RR3): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XR328-4C WG (28xGE, AC 230V) (6GK5328-4SS00-3AR3): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SCALANCE XR328-4C WG (28xGE, DC 24V) (6GK5328-4SS00-2AR3): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SIPLUS NET SCALANCE X308-2 (6AG1308-2FL10-4AA3): All versions < V4.1.3	Update to V4.1.3 or later version https://support.industry.siemens.com/cs/document/109773547 See further recommendations from section Workarounds and Mitigations
SIPLUS NET SCALANCE XC206-2 (6AG1206-2BB00-7AC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations

SIPLUS NET SCALANCE XC206-2SFP (6AG1206-2BS00-7AC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SIPLUS NET SCALANCE XC208 (6AG1208-0BA00-7AC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations
SIPLUS NET SCALANCE XC216-4C (6AG1216-4BS00-7AC2): All versions < V4.1	Update to V4.1 or later version https://support.industry.siemens.com/cs/ww/en/view/109762982 See further recommendations from section Workarounds and Mitigations

WORKAROUNDS AND MITIGATIONS

Siemens has identified the following specific workarounds and mitigations that customers can apply to reduce the risk:

• Make sure that no devices that transmit data back into the mirroring network are operated within the mirrored network

Product specific remediations or mitigations can be found in the section Affected Products and Solution. Please follow the General Security Recommendations.

GENERAL SECURITY RECOMMENDATIONS

As a general security measure, Siemens strongly recommends to protect network access to devices with appropriate mechanisms. In order to operate the devices in a protected IT environment, Siemens recommends to configure the environment according to Siemens' operational guidelines for Industrial Security (Download: https://www.siemens.com/cert/operational-guidelines-industrial-security), and to follow the recommendations in the product manuals.

Additional information on Industrial Security by Siemens can be found at: https://www.siemens.com/industrialsecurity

PRODUCT DESCRIPTION

SCALANCE X switches are used to connect industrial components like Programmable Logic Controllers (PLCs) or Human Machine Interfaces (HMIs).

SIPLUS extreme products are designed for reliable operation under extreme conditions and are based on SIMATIC, LOGO!, SITOP, SINAMICS, SIMOTION, SCALANCE or other devices. SIPLUS devices use the same firmware as the product they are based on.

VULNERABILITY CLASSIFICATION

The vulnerability classification has been performed by using the CVSS scoring system in version 3.1 (CVSS v3.1) (https://www.first.org/cvss/). The CVSS environmental score is specific to the customer's environment and will impact the overall CVSS score. The environmental score should therefore be individually defined by the customer to accomplish final scoring.

An additional classification has been performed using the CWE classification, a community-developed list of common software security weaknesses. This serves as a common language and as a baseline for weakness identification, mitigation, and prevention efforts. A detailed list of CWE classes can be found at: https://cwe.mitre.org/.

Vulnerability CVE-2019-6569

The monitor barrier of the affected products insufficiently blocks data from being forwarded over the mirror port into the mirrored network.

An attacker could use this behavior to transmit malicious packets to systems in the mirrored network, possibly influencing their configuration and runtime behavior.

CVSS v3.1 Base Score	5.4
CVSS Vector	CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:C/C:L/I:N/A:L/E:P/RL:O/RC:C
CWE	CWE-440: Expected Behavior Violation

ACKNOWLEDGMENTS

Siemens thanks the following parties for their efforts:

- Artem Zinenko from Kaspersky for pointing out that SIPLUS should also be mentioned

ADDITIONAL INFORMATION

For further inquiries on security vulnerabilities in Siemens products and solutions, please contact the Siemens ProductCERT:

https://www.siemens.com/cert/advisories

HISTORY DATA

V1.0 (2019-03-12):	Publication date
V1.1 (2019-06-11):	Added solution for SCALANCE X-200
V1.2 (2020-01-14):	SIPLUS devices now explicitly mentioned in the list of affected products; added solution for SCALANCE X-300/X408
V1.3 (2021-10-12):	Errata: removed wrong fix release information for SCALANCE X-200 switch family; listed all affected SCALANCE products explicitly
V1.4 (2022-07-12):	Added fix for SCALANCE X-200 switch family

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