

Schneider Electric Security Notification

Intel Microarchitectural Data Sampling (ZombieLoad) (V6.0)

12 July 2019 (12 October 2021)

Overview

Schneider Electric is actively investigating the impact of the Intel Microarchitectural Data Sampling vulnerabilities in our offers. Offer-specific information will be posted here as it becomes available.

Schneider Electric offers with special or specific recommendations applicable to these vulnerabilities are listed below. Schneider Electric advises customers to refer immediately to the [Intel Microarchitectural Data Sampling Advisory](#) for further information and guidance for any affected systems that may or may not serve as a runtime environment for Schneider Electric software and services.

Schneider Electric continues to monitor and track vendor research into this vulnerability.

Refer to this link for more Information on the Intel MDS vulnerabilities: <https://www.schneider-electric.com/en/download/document/SESB-2019-136-01/>.

October 2021 Update: Added [remediations](#) for *Conext™ Advisor 2 Cloud*, *Conext™ Advisor 2 Gateway*, *Conext™ Control V2 Gateway* (page 2).

Vulnerability Details

CVE ID: **CVE-2019-11091**

CVSS v3.0 Base Score 5.6 | (Medium) | CVSS:3.0/AV:L/AC:H/PR:L/UI:N/S:C/C:H/I:N/A:N

Microarchitectural Data Sampling Uncacheable Memory (MDSUM): Uncacheable memory on some microprocessors utilizing speculative execution may potentially allow an authenticated user to enable information disclosure via a side channel with local access. A list of impacted products can be found here: https://www.intel.com/content/dam/www/public/us/en/documents/corporate-information/SA00233-microcode-update-guidance_05132019.pdf

CVE ID: **CVE-2018-12126**

CVSS v3.0 Base Score 5.6 | (Medium) | CVSS:3.0/AV:L/AC:H/PR:L/UI:N/S:C/C:H/I:N/A:N

Microarchitectural Store Buffer Data Sampling (MSBDS): Store buffers on some microprocessors utilizing speculative execution may potentially allow an authenticated user to enable information disclosure via a side channel with local access. A list of impacted products can be found here: https://www.intel.com/content/dam/www/public/us/en/documents/corporate-information/SA00233-microcode-update-guidance_05132019.pdf

Schneider Electric Security Notification

CVE ID: **CVE-2018-12127**

CVSS v3.0 Base Score 5.6 | (Medium) | CVSS:3.0/AV:L/AC:H/PR:L/UI:N/S:C/C:H/I:N/A:N

Microarchitectural Load Port Data Sampling (MLPDS): Load ports on some microprocessors utilizing speculative execution may potentially allow an authenticated user to enable information disclosure via a side channel with local access. A list of impacted products can be found here:

https://www.intel.com/content/dam/www/public/us/en/documents/corporate-information/SA00233-microcode-update-guidance_05132019.pdf

CVE ID: **CVE-2018-12130**

CVSS v3.0 Base Score 5.6 | (Medium) | CVSS:3.0/AV:L/AC:H/PR:L/UI:N/S:C/C:H/I:N/A:N

Microarchitectural Fill Buffer Data Sampling (MFBDS): Fill buffers on some microprocessors utilizing speculative execution may potentially allow an authenticated user to enable information disclosure via a side channel with local access. A list of impacted products can be found here:

https://www.intel.com/content/dam/www/public/us/en/documents/corporate-information/SA00233-microcode-update-guidance_05132019.pdf

Affected Products and Remediation

| Affected Products | Remediation |
|--|--|
| Conext™ Advisor 2 Cloud V2.02 and prior | Microsoft Windows 10 includes a fix for this vulnerability and is available for download here: https://www.microsoft.com/en-in/software-download/windows10 <i>Reboot is required</i> |
| Conext™ Advisor 2 Gateway V1.28.45 and prior | Microsoft Windows 10 includes a fix for this vulnerability and is available for download here: https://www.microsoft.com/en-in/software-download/windows10 <i>Reboot is required</i> |
| Conext™ Control V2 Gateway V2.6 and prior | Microsoft Windows 10 includes a fix for this vulnerability and is available for download here: https://www.microsoft.com/en-in/software-download/windows10 <i>Reboot is required</i> |

Schneider Electric Security Notification

| | |
|--|--|
| <p>HMIG5U SP-5B40 (Atom™ E660T/E680T)</p> <p>All versions</p> | <p><i>This product is End of Life.</i></p> <p>For assistance with mitigation please contact Schneider Electric Customer Support https://www.schneider-electric.com/en/work/support/contacts.jsp</p> <p>Pro-face Customer Support https://www.proface.com/en/contact</p> |
| <p>HMIG5U2 (Atom™ E3825)</p> <p>Versions 05 or prior</p> | <p>For assistance with mitigation please contact Schneider Electric Customer Support https://www.schneider-electric.com/en/work/support/contacts.jsp</p> |
| <p>SP-5B41 (Atom™ E3825)</p> <p>Versions 06 or prior</p> | <p>For assistance with mitigation please contact Pro-face Customer Support https://www.proface.com/en/contact</p> |

| <p>HMIPSO (Atom™ - E3827 1.75GHz)</p> <table border="1" data-bbox="142 1171 824 1533"> <thead> <tr> <th>Reference</th> <th>Affected Versions</th> </tr> </thead> <tbody> <tr> <td>HMIPSOH552D1801</td> <td>07 or prior</td> </tr> <tr> <td>HMIPSOS552D1801</td> <td>09 or prior</td> </tr> <tr> <td>HMIPSOC552D1W01</td> <td>07 or prior</td> </tr> <tr> <td>HMIPSO0552D1001</td> <td>03 or prior</td> </tr> <tr> <td>HMIPSOH752D1801</td> <td>06 or prior</td> </tr> <tr> <td>HMIPSOS752D1801</td> <td>08 or prior</td> </tr> <tr> <td>HMIPSOC752D1W01</td> <td>06 or prior</td> </tr> <tr> <td>HMIPSO0752D1001</td> <td>02 or prior</td> </tr> </tbody> </table> | Reference | Affected Versions | HMIPSOH552D1801 | 07 or prior | HMIPSOS552D1801 | 09 or prior | HMIPSOC552D1W01 | 07 or prior | HMIPSO0552D1001 | 03 or prior | HMIPSOH752D1801 | 06 or prior | HMIPSOS752D1801 | 08 or prior | HMIPSOC752D1W01 | 06 or prior | HMIPSO0752D1001 | 02 or prior | <p>For assistance with mitigation please contact Schneider Electric Customer Support https://www.schneider-electric.com/en/work/support/contacts.jsp</p> |
|---|-------------------|-------------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|--|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|--|
| Reference | Affected Versions | | | | | | | | | | | | | | | | | | |
| HMIPSOH552D1801 | 07 or prior | | | | | | | | | | | | | | | | | | |
| HMIPSOS552D1801 | 09 or prior | | | | | | | | | | | | | | | | | | |
| HMIPSOC552D1W01 | 07 or prior | | | | | | | | | | | | | | | | | | |
| HMIPSO0552D1001 | 03 or prior | | | | | | | | | | | | | | | | | | |
| HMIPSOH752D1801 | 06 or prior | | | | | | | | | | | | | | | | | | |
| HMIPSOS752D1801 | 08 or prior | | | | | | | | | | | | | | | | | | |
| HMIPSOC752D1W01 | 06 or prior | | | | | | | | | | | | | | | | | | |
| HMIPSO0752D1001 | 02 or prior | | | | | | | | | | | | | | | | | | |
| <p>HMIBMU (Celeron® 2980U 1.6GHz)</p> <table border="1" data-bbox="142 1669 824 1827"> <thead> <tr> <th>Reference</th> <th>Affected Versions</th> </tr> </thead> <tbody> <tr> <td>HMIBMUHI29D2801</td> <td>12 or prior</td> </tr> <tr> <td>HMIBMUSI29D2801</td> <td>13 or prior</td> </tr> <tr> <td>HMIBMUCI29D2W01</td> <td>12 or prior</td> </tr> </tbody> </table> | Reference | Affected Versions | HMIBMUHI29D2801 | 12 or prior | HMIBMUSI29D2801 | 13 or prior | HMIBMUCI29D2W01 | 12 or prior | <p>For assistance with mitigation please contact Schneider Electric Customer Support https://www.schneider-electric.com/en/work/support/contacts.jsp</p> | | | | | | | | | | |
| Reference | Affected Versions | | | | | | | | | | | | | | | | | | |
| HMIBMUHI29D2801 | 12 or prior | | | | | | | | | | | | | | | | | | |
| HMIBMUSI29D2801 | 13 or prior | | | | | | | | | | | | | | | | | | |
| HMIBMUCI29D2W01 | 12 or prior | | | | | | | | | | | | | | | | | | |

Schneider Electric Security Notification

| | |
|-----------------|-------------|
| HMIBMU0I29D2001 | 12 or prior |
| HMIBMU0I29D200A | 12 or prior |
| HMIBMUHI29D4801 | 12 or prior |
| HMIBMUSI29D4801 | 13 or prior |
| HMIBMUCI29D4W01 | 12 or prior |
| HMIBMU0I29D4001 | 12 or prior |
| HMIBMU0I29D400A | 12 or prior |
| HMIBMU0I29DI00A | 12 or prior |
| HMIBMU0I29DE00A | 12 or prior |

PS5000
(Modular Celeron)

| Reference | Affected Versions |
|----------------|-------------------|
| PFXPU2*CC***** | 10 or prior |
| PFXPU2*DC***** | 10 or prior |
| PFXPU2*EC***** | 10 or prior |
| PFXPU2*PC***** | 10 or prior |
| PFXPU2*QC***** | 10 or prior |
| PFXPU2*RC***** | 10 or prior |
| PFXPU2*SC***** | 10 or prior |
| PFXPU2*TC***** | 10 or prior |

For assistance with mitigation please contact Pro-face Customer Support
<https://www.proface.com/en/contact>

PS5000
(Modular Core i7)

| Reference | Affected Versions |
|----------------|-------------------|
| PFXPP2*J7***** | 12 or prior |
| PFXPP2*U7***** | 13 or prior |
| PFXPP2*A7***** | 12 or prior |
| PFXPP2*K7***** | 12 or prior |
| PFXPP2*V7***** | 12 or prior |
| PFXPP2*W7***** | 13 or prior |
| PFXPP2*X7***** | 12 or prior |
| PFXPP2*Y7***** | 12 or prior |
| PFXPP2*Z7***** | 12 or prior |
| PFXPP2*L7***** | 13 or prior |

For assistance with mitigation please contact Pro-face Customer Support
<https://www.proface.com/en/contact>

PS5000
(Slim model Atom)

Schneider Electric Security Notification

| <table border="1"> <thead> <tr> <th>Reference</th> <th>Affected Versions</th> </tr> </thead> <tbody> <tr> <td>PFXPS2CNAD4*****</td> <td>03 or prior</td> </tr> <tr> <td>PFXPS2GNAD4*****</td> <td>02 or prior</td> </tr> </tbody> </table> | Reference | Affected Versions | PFXPS2CNAD4***** | 03 or prior | PFXPS2GNAD4***** | 02 or prior | <p>For assistance with mitigation please contact Pro-face Customer Support https://www.proface.com/en/contact</p> | | | | | | | | | | | | | | | | | | |
|--|-------------------|-------------------|-------------------|-------------|--------------------|-------------|---|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|---|
| Reference | Affected Versions | | | | | | | | | | | | | | | | | | | | | | | | |
| PFXPS2CNAD4***** | 03 or prior | | | | | | | | | | | | | | | | | | | | | | | | |
| PFXPS2GNAD4***** | 02 or prior | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>PS5000 (Slim model Core i3)</p> <table border="1"> <thead> <tr> <th>Reference</th> <th>Affected Versions</th> </tr> </thead> <tbody> <tr> <td>PFXPS2HN3D8*****</td> <td>05 or prior</td> </tr> <tr> <td>PFXPS2KN3D8*****</td> <td>05 or prior</td> </tr> </tbody> </table> | Reference | Affected Versions | PFXPS2HN3D8***** | 05 or prior | PFXPS2KN3D8***** | 05 or prior | <p>For assistance with mitigation please contact Pro-face Customer Support https://www.proface.com/en/contact</p> | | | | | | | | | | | | | | | | | | |
| Reference | Affected Versions | | | | | | | | | | | | | | | | | | | | | | | | |
| PFXPS2HN3D8***** | 05 or prior | | | | | | | | | | | | | | | | | | | | | | | | |
| PFXPS2KN3D8***** | 05 or prior | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>PS5000 (Enclosed Core i3)</p> <table border="1"> <thead> <tr> <th>Reference</th> <th>Affected Versions</th> </tr> </thead> <tbody> <tr> <td>PFXPS2MN3D8*****0</td> <td>02 or prior</td> </tr> <tr> <td>PFXPS2MN3D84F0NN0P</td> <td>04 or prior</td> </tr> </tbody> </table> | Reference | Affected Versions | PFXPS2MN3D8*****0 | 02 or prior | PFXPS2MN3D84F0NN0P | 04 or prior | <p>For assistance with mitigation please contact Pro-face Customer Support https://www.proface.com/en/contact</p> | | | | | | | | | | | | | | | | | | |
| Reference | Affected Versions | | | | | | | | | | | | | | | | | | | | | | | | |
| PFXPS2MN3D8*****0 | 02 or prior | | | | | | | | | | | | | | | | | | | | | | | | |
| PFXPS2MN3D84F0NN0P | 04 or prior | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>HMIBMP (Core™ i7 - 4650U 1.7GHz)</p> <table border="1"> <thead> <tr> <th>Reference</th> <th>Affected Versions</th> </tr> </thead> <tbody> <tr> <td>HMIBMPHI74D2801</td> <td>12 or prior</td> </tr> <tr> <td>HMIBMPHI74D2801</td> <td>13 or prior</td> </tr> <tr> <td>HMIBMP0I74D2001</td> <td>12 or prior</td> </tr> <tr> <td>HMIBMP0I74D200A</td> <td>12 or prior</td> </tr> <tr> <td>HMIBMPHI74D4801</td> <td>12 or prior</td> </tr> <tr> <td>HMIBMPHI74D4801</td> <td>13 or prior</td> </tr> <tr> <td>HMIBMP0I74D4001</td> <td>12 or prior</td> </tr> <tr> <td>HMIBMP0I74D400A</td> <td>12 or prior</td> </tr> <tr> <td>HMIBMP0I74DI00A</td> <td>12 or prior</td> </tr> <tr> <td>HMIBMP0I74DE00A</td> <td>12 or prior</td> </tr> <tr> <td>HMIBMP0I74D470L</td> <td>13 or prior</td> </tr> </tbody> </table> | Reference | Affected Versions | HMIBMPHI74D2801 | 12 or prior | HMIBMPHI74D2801 | 13 or prior | HMIBMP0I74D2001 | 12 or prior | HMIBMP0I74D200A | 12 or prior | HMIBMPHI74D4801 | 12 or prior | HMIBMPHI74D4801 | 13 or prior | HMIBMP0I74D4001 | 12 or prior | HMIBMP0I74D400A | 12 or prior | HMIBMP0I74DI00A | 12 or prior | HMIBMP0I74DE00A | 12 or prior | HMIBMP0I74D470L | 13 or prior | <p>For assistance with mitigation please contact Schneider Electric Customer Support https://www.schneider-electric.com/en/work/support/contacts.jsp</p> |
| Reference | Affected Versions | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIBMPHI74D2801 | 12 or prior | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIBMPHI74D2801 | 13 or prior | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIBMP0I74D2001 | 12 or prior | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIBMP0I74D200A | 12 or prior | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIBMPHI74D4801 | 12 or prior | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIBMPHI74D4801 | 13 or prior | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIBMP0I74D4001 | 12 or prior | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIBMP0I74D400A | 12 or prior | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIBMP0I74DI00A | 12 or prior | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIBMP0I74DE00A | 12 or prior | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIBMP0I74D470L | 13 or prior | | | | | | | | | | | | | | | | | | | | | | | | |

Schneider Electric Security Notification

| <p>HMIPSP (Core™ i3 - 4010U 1.7GHz)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th style="text-align: left;">Reference</th> <th style="text-align: left;">Affected Versions</th> </tr> </thead> <tbody> <tr><td>HMIPSPH752D1801</td><td>08 or prior</td></tr> <tr><td>HMIPSPS752D1801</td><td>09 or prior</td></tr> <tr><td>HMIPSPC752D1W01</td><td>08 or prior</td></tr> <tr><td>HMIPSP0752D1001</td><td>08 or prior</td></tr> <tr><td>HMIPSPH952D1801</td><td>08 or prior</td></tr> <tr><td>HMIPSPS952D1801</td><td>09 or prior</td></tr> <tr><td>HMIPSPC952D1W01</td><td>08 or prior</td></tr> <tr><td>HMIPSP0952D1001</td><td>08 or prior</td></tr> <tr><td>HMIPSPS752D180L</td><td>08 or prior</td></tr> <tr><td>HMIPSPH752D1701</td><td>08 or prior</td></tr> <tr><td>HMIPSPS752D1701</td><td>08 or prior</td></tr> <tr><td>HMIPSPS752D170L</td><td>08 or prior</td></tr> <tr><td>HMIPSPS952D180L</td><td>08 or prior</td></tr> <tr><td>HMIPSPH952D1701</td><td>08 or prior</td></tr> <tr><td>HMIPSPS952D1701</td><td>08 or prior</td></tr> <tr><td>HMIPSPS952D170L</td><td>08 or prior</td></tr> </tbody> </table> | Reference | Affected Versions | HMIPSPH752D1801 | 08 or prior | HMIPSPS752D1801 | 09 or prior | HMIPSPC752D1W01 | 08 or prior | HMIPSP0752D1001 | 08 or prior | HMIPSPH952D1801 | 08 or prior | HMIPSPS952D1801 | 09 or prior | HMIPSPC952D1W01 | 08 or prior | HMIPSP0952D1001 | 08 or prior | HMIPSPS752D180L | 08 or prior | HMIPSPH752D1701 | 08 or prior | HMIPSPS752D1701 | 08 or prior | HMIPSPS752D170L | 08 or prior | HMIPSPS952D180L | 08 or prior | HMIPSPH952D1701 | 08 or prior | HMIPSPS952D1701 | 08 or prior | HMIPSPS952D170L | 08 or prior | <p>For assistance with mitigation please contact Schneider Electric Customer Support https://www.schneider-electric.com/en/work/support/contacts.jsp</p> |
|--|-------------------|-------------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|---|
| Reference | Affected Versions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIPSPH752D1801 | 08 or prior | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIPSPS752D1801 | 09 or prior | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIPSPC752D1W01 | 08 or prior | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIPSP0752D1001 | 08 or prior | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIPSPH952D1801 | 08 or prior | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIPSPS952D1801 | 09 or prior | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIPSPC952D1W01 | 08 or prior | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIPSP0952D1001 | 08 or prior | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIPSPS752D180L | 08 or prior | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIPSPH752D1701 | 08 or prior | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIPSPS752D1701 | 08 or prior | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIPSPS752D170L | 08 or prior | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIPSPS952D180L | 08 or prior | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIPSPH952D1701 | 08 or prior | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIPSPS952D1701 | 08 or prior | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HMIPSPS952D170L | 08 or prior | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| <p>HMIEPEP (Core™ i3 - 4010U 1.7GHz)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th style="text-align: left;">Reference</th> <th style="text-align: left;">Affected Versions</th> </tr> </thead> <tbody> <tr><td>HMIEPEPS952D1801</td><td>05 or prior</td></tr> <tr><td>HMIEPEP0952D1001</td><td>02 or prior</td></tr> </tbody> </table> | Reference | Affected Versions | HMIEPEPS952D1801 | 05 or prior | HMIEPEP0952D1001 | 02 or prior | <p>For assistance with mitigation please contact Schneider Electric Customer Support https://www.schneider-electric.com/en/work/support/contacts.jsp</p> |
|---|-------------------|-------------------|------------------|-------------|------------------|-------------|---|
| Reference | Affected Versions | | | | | | |
| HMIEPEPS952D1801 | 05 or prior | | | | | | |
| HMIEPEP0952D1001 | 02 or prior | | | | | | |

| <p>HMIBMO (Atom™ - E3930 1.3GHz)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th style="text-align: left;">Reference</th> <th style="text-align: left;">Affected Versions</th> </tr> </thead> <tbody> <tr><td>HMIBMOMA5DDDF10L</td><td>03 or prior</td></tr> <tr><td>HMIBMOMA5DD1E01</td><td>02 or prior</td></tr> <tr><td>HMIBMOMA5DD1101</td><td>02 or prior</td></tr> <tr><td>HMIBMO0A5DD1001</td><td>02 or prior</td></tr> <tr><td>HMIBMO0A5DDDF101</td><td>03 or prior</td></tr> <tr><td>HMIBMO0A5DDDF10A</td><td>03 or prior</td></tr> </tbody> </table> | Reference | Affected Versions | HMIBMOMA5DDDF10L | 03 or prior | HMIBMOMA5DD1E01 | 02 or prior | HMIBMOMA5DD1101 | 02 or prior | HMIBMO0A5DD1001 | 02 or prior | HMIBMO0A5DDDF101 | 03 or prior | HMIBMO0A5DDDF10A | 03 or prior | <p>For assistance with mitigation please contact Schneider Electric Customer Support https://www.schneider-electric.com/en/work/support/contacts.jsp</p> |
|--|-------------------|-------------------|------------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|------------------|-------------|------------------|-------------|---|
| Reference | Affected Versions | | | | | | | | | | | | | | |
| HMIBMOMA5DDDF10L | 03 or prior | | | | | | | | | | | | | | |
| HMIBMOMA5DD1E01 | 02 or prior | | | | | | | | | | | | | | |
| HMIBMOMA5DD1101 | 02 or prior | | | | | | | | | | | | | | |
| HMIBMO0A5DD1001 | 02 or prior | | | | | | | | | | | | | | |
| HMIBMO0A5DDDF101 | 03 or prior | | | | | | | | | | | | | | |
| HMIBMO0A5DDDF10A | 03 or prior | | | | | | | | | | | | | | |

Schneider Electric Security Notification

| <p>PS5001 (Atom BOX)</p> <table border="1" data-bbox="147 367 824 604"> <thead> <tr> <th>Reference</th> <th>Affected Versions</th> </tr> </thead> <tbody> <tr> <td>PFXPL2*1B*4*****</td> <td>02 or prior</td> </tr> <tr> <td>PFXPL2*2B*4*****</td> <td>03 or prior</td> </tr> <tr> <td>PFXPL2*3B*8*****</td> <td>02 or prior</td> </tr> <tr> <td>PFXPL2B3BD80N0NNFC</td> <td>02 or prior</td> </tr> <tr> <td>PFXPL2*4B*8*****</td> <td>03 or prior</td> </tr> </tbody> </table> | Reference | Affected Versions | PFXPL2*1B*4***** | 02 or prior | PFXPL2*2B*4***** | 03 or prior | PFXPL2*3B*8***** | 02 or prior | PFXPL2B3BD80N0NNFC | 02 or prior | PFXPL2*4B*8***** | 03 or prior | <p>For assistance with mitigation please contact Pro-face Customer Support https://www.proface.com/en/contact</p> |
|--|---|-------------------|------------------|-------------|------------------|-------------|------------------|-------------|--------------------|-------------|------------------|-------------|---|
| Reference | Affected Versions | | | | | | | | | | | | |
| PFXPL2*1B*4***** | 02 or prior | | | | | | | | | | | | |
| PFXPL2*2B*4***** | 03 or prior | | | | | | | | | | | | |
| PFXPL2*3B*8***** | 02 or prior | | | | | | | | | | | | |
| PFXPL2B3BD80N0NNFC | 02 or prior | | | | | | | | | | | | |
| PFXPL2*4B*8***** | 03 or prior | | | | | | | | | | | | |
| <p>HMIBMI (Atom™ - E3930 1.3GHz)</p> <table border="1" data-bbox="147 766 824 1003"> <thead> <tr> <th>Reference</th> <th>Affected Versions</th> </tr> </thead> <tbody> <tr> <td>HMIBMIEA5DD1101</td> <td>02 or prior</td> </tr> <tr> <td>HMIBMIEA5DD110L</td> <td>02 or prior</td> </tr> <tr> <td>HMIBMIEA5DD1E01</td> <td>02 or prior</td> </tr> <tr> <td>HMIBMIEA5DD1001</td> <td>02 or prior</td> </tr> <tr> <td>HMIBMIEA5DD100A</td> <td>02 or prior</td> </tr> </tbody> </table> | Reference | Affected Versions | HMIBMIEA5DD1101 | 02 or prior | HMIBMIEA5DD110L | 02 or prior | HMIBMIEA5DD1E01 | 02 or prior | HMIBMIEA5DD1001 | 02 or prior | HMIBMIEA5DD100A | 02 or prior | <p>For assistance with mitigation please contact Schneider Electric Customer Support https://www.schneider-electric.com/en/work/support/contacts.jsp</p> |
| Reference | Affected Versions | | | | | | | | | | | | |
| HMIBMIEA5DD1101 | 02 or prior | | | | | | | | | | | | |
| HMIBMIEA5DD110L | 02 or prior | | | | | | | | | | | | |
| HMIBMIEA5DD1E01 | 02 or prior | | | | | | | | | | | | |
| HMIBMIEA5DD1001 | 02 or prior | | | | | | | | | | | | |
| HMIBMIEA5DD100A | 02 or prior | | | | | | | | | | | | |
| <p>HMIBP HMIPP PS4000B PS4700 PS4800 (Core™ 2 Duo P8400 2.26GHz) All versions</p> | <p><i>These products are End of Life.</i></p> <p>For assistance with mitigation please contact Schneider Electric Customer Support https://www.schneider-electric.com/en/work/support/contacts.jsp</p> | | | | | | | | | | | | |
| <p>HMIPP (Core™ i3-3217UE 1.60 GHz) HMIPU (Celeron™ 827E 1.40 GHz) All versions</p> | <p><i>These products are End of Life.</i></p> <p>For assistance with mitigation please contact Schneider Electric Customer Support https://www.schneider-electric.com/en/work/support/contacts.jsp</p> | | | | | | | | | | | | |
| <p>PS4600 (Core™ i3-3217UE 1.60 GHz) PS4600 Series (Celeron™ 827E 1.40 GHz) All versions</p> | <p><i>These products are End of Life.</i></p> <p>For assistance with mitigation please contact Pro-face Customer Support https://www.proface.com/en/contact</p> | | | | | | | | | | | | |

Schneider Electric Security Notification

| | |
|---|---|
| <p>HMIG5UL8A (Atom™ E660T/E680T) All versions</p> | <p><i>This product is End of Life.</i></p> <p>For assistance with mitigation please contact Schneider Electric Customer Support https://www.schneider-electric.com/en/work/support/contacts.jsp</p> |
| <p>PFXSP5B41S8A (Atom™ E660T/E680T) All versions</p> | <p><i>This product is End of Life.</i></p> <p>For assistance with mitigation please contact Pro-face Customer Support https://www.proface.com/en/contact</p> |
| <p>HMIG5UL8B (Atom™ E3825) Versions 01 or prior</p> | <p>For assistance with mitigation please contact Schneider Electric Customer Support https://www.schneider-electric.com/en/work/support/contacts.jsp</p> |

| <p>PFXSP5B41S8B (Atom™ E3825) Versions 01 or prior</p> | <p>For assistance with mitigation please contact Pro-face Customer Support https://www.proface.com/en/contact</p> | | | | | | | | | | |
|--|--|-------------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|--|
| <p>HMIRXOHCA3W01 (Intel iCore G850, dual core 2.5 GHz) HMIRXOHCA3001 (Intel iCore G540, dual core 2.5 GHz) HMIRSOHPA3W01 (Intel iCore G850, dual core 2.5 GHz) HMIRSUH3A3701 (Intel Core i3 2120 3.3 GHz) HMIRSUS3A3701 (Intel Core i3 2120 3.3 GHz) HMIRSP (Intel Xeon quad-core 1225 3.1 GHz)</p> <table border="1" data-bbox="147 1642 812 1839"> <thead> <tr> <th>Reference</th> <th>Affected Versions</th> </tr> </thead> <tbody> <tr> <td>HMIRXOHCA3W01</td> <td>02 or prior</td> </tr> <tr> <td>HMIRXOHCA3001</td> <td>02 or prior</td> </tr> <tr> <td>HMIRSOHPA3W01</td> <td>02 or prior</td> </tr> <tr> <td>HMIRSUH3A3701</td> <td>02 or prior</td> </tr> </tbody> </table> | Reference | Affected Versions | HMIRXOHCA3W01 | 02 or prior | HMIRXOHCA3001 | 02 or prior | HMIRSOHPA3W01 | 02 or prior | HMIRSUH3A3701 | 02 or prior | <p>For assistance with mitigation please contact Schneider Electric Customer Support https://www.schneider-electric.com/en/work/support/contacts.jsp</p> |
| Reference | Affected Versions | | | | | | | | | | |
| HMIRXOHCA3W01 | 02 or prior | | | | | | | | | | |
| HMIRXOHCA3001 | 02 or prior | | | | | | | | | | |
| HMIRSOHPA3W01 | 02 or prior | | | | | | | | | | |
| HMIRSUH3A3701 | 02 or prior | | | | | | | | | | |

Schneider Electric Security Notification

| | | | | | | | | | | | | | | | |
|---|---|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|--|
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 50%;">HMIRSUS3A3701</td><td style="width: 50%;">02 or prior</td></tr> <tr><td>HMIRSPHXA6701</td><td>02 or prior</td></tr> <tr><td>HMIRSPHXA67P1</td><td>04 or prior</td></tr> <tr><td>HMIRSPFXA6701</td><td>02 or prior</td></tr> <tr><td>HMIRSPFXR6702</td><td>02 or prior</td></tr> <tr><td>HMIRSPSXR6S01</td><td>04 or prior</td></tr> <tr><td>HMIRSPSXR6T01</td><td>03 or prior</td></tr> </table> | HMIRSUS3A3701 | 02 or prior | HMIRSPHXA6701 | 02 or prior | HMIRSPHXA67P1 | 04 or prior | HMIRSPFXA6701 | 02 or prior | HMIRSPFXR6702 | 02 or prior | HMIRSPSXR6S01 | 04 or prior | HMIRSPSXR6T01 | 03 or prior | |
| HMIRSUS3A3701 | 02 or prior | | | | | | | | | | | | | | |
| HMIRSPHXA6701 | 02 or prior | | | | | | | | | | | | | | |
| HMIRSPHXA67P1 | 04 or prior | | | | | | | | | | | | | | |
| HMIRSPFXA6701 | 02 or prior | | | | | | | | | | | | | | |
| HMIRSPFXR6702 | 02 or prior | | | | | | | | | | | | | | |
| HMIRSPSXR6S01 | 04 or prior | | | | | | | | | | | | | | |
| HMIRSPSXR6T01 | 03 or prior | | | | | | | | | | | | | | |
| <p>TelevisGo</p> <p><i>All versions prior to July 2019</i></p> | <p>Install hotfix available at https://www.eliwell.com/it/search.html?q=TelevisGo</p> | | | | | | | | | | | | | | |
| <p>EcoStruxure Substation Operation Gateway (formerly known as PACiS Gateway)</p> <p><i>Affected CPUs: ECU-4784 i7, ECU-4784 Celeron PCCN, RackPC i7, RackPC i5, Box J1900 (UNO-3272), Gateway PCCN (UNO-2272)</i></p> | <p>Install Intel Microcode update https://portal.msrc.microsoft.com/en-us/security-guidance/advisory/adv190013</p> | | | | | | | | | | | | | | |
| <p><i>HMI box PC references: Magelis HMIG5U2 Open Box PC, Magelis HMIBMU, HMIBMO, HMIBSU, HMIBMP, HMIPSP industrial PC or standard Windows PC</i></p> <p>EcoStruxure Augmented Operator Advisor (AOA)</p> <ul style="list-style-type: none"> - AOARS1CZSSPMZZ - AOARS2CZSSPMZZ - AOARS3CZSSPMZZ - AOARM1CZMSPMZZ - AOARM2CZMSPMZZ - AOARM3CZMSPMZZ - AOARX3CZXSPMZZ | <p>These vulnerabilities impact devices on which AOA is running, not AOA directly. Customers using AOA should update their HMI, or the Standard Windows PC they may be using.</p> <p>For assistance with mitigation, please contact Customer Support https://www.schneider-electric.com/en/work/support/contacts.jsp</p> | | | | | | | | | | | | | | |

Schneider Electric Security Notification

| | |
|---|--|
| <p>All versions prior to March 2019</p> <ul style="list-style-type: none"> - Ecostruxure Foxboro DCS - Ecostruxure Foxboro SCADA | <p><i>Fixed in all versions running:</i></p> <ul style="list-style-type: none"> • Windows 10 Version 1607 for x64-based Systems • Windows 7 for x64-based Systems Service Pack 1 • Windows Server 2008 R2 for x64-based Systems Service Pack 1 • Windows Server 2012 R2 • Windows Server 2016 <p>Schneider Electric has evaluated the Microsoft Security patches for this vulnerability and made them available to customers through the Global Customer support website https://pasupport.schneider-electric.com/home.asp</p> <p>We recommend that customers install the Microsoft May 2019 rollout Security patches following the instructions available at https://pasupport.schneider-electric.com/content/Security/mspatch/mspatch.asp</p> |
| <p>StruxureWare Data Center Expert (DCE) Hardware Appliances - all models</p> <p>Version 7.6 and earlier</p> | <p><i>Fixed in DCE v7.7</i></p> <p>Obtain and install upgrade by contacting your local Technical Support https://sxwhelpcenter.ecostruxureit.com/display/public/download/Downloads</p> <p>https://sxwhelpcenter.ecostruxureit.com/display/public/UADCE725/StruxureWare+Data+Center+Expert+v7.7.0+Release+Notes</p> |

Schneider Electric Security Notification

| | |
|--|--|
| <p>ADMS</p> <p>Versions 3.2 - 3.8</p> | <p>Versions 3.2, 3.3, and 3.4: Microsoft KB4499164 Monthly rollup https://support.microsoft.com/en-us/help/4499164/windows-7-update-kb4499164</p> <p>Versions 3.5, 3.6: Microsoft KB4499164 and KB4499151 Monthly rollups https://support.microsoft.com/en-us/help/4499164/windows-7-update-kb4499164 https://support.microsoft.com/en-us/help/4499151/windows-8-1-update-kb4499151</p> <p>Versions 3.7, 3.8: Microsoft KB4494440 cumulative update: https://support.microsoft.com/en-us/help/4494440/windows-10-update-kb4494440</p> <p>Additionally, check with your hardware vendor on availability of their software/firmware patches to complete the remediation.</p> |
| <p>AGMS</p> | <p>Install Microsoft KB4494440 cumulative update: https://support.microsoft.com/en-us/help/4494440/windows-10-update-kb4494440</p> <p>Additionally, check with your hardware vendor on availability of their software/firmware patches to complete remediation.</p> |
| <p>Schneider Electric Exchange https://exchange.se.com)</p> <p>Digital Offers</p> | <p>Host platforms have been patched.</p> |
| <p>Conext Control - Server All versions</p> | <p>Apply the following Microsoft security patch to the Conext Control server: https://portal.msrc.microsoft.com/en-us/security-guidance/advisory/ADV190013</p> |

Schneider Electric Security Notification

| | |
|---|--|
| <p>Conext Advisor 2 - "Conext Gateway" Industrial PC All versions</p> | <p>Apply the following Microsoft security patch to the development server and the production server: https://portal.msrc.microsoft.com/en-us/security-guidance/advisory/ADV190013</p> |
|---|--|

General Security Recommendations

We strongly recommend the following industry cybersecurity best practices:

- Locate control and safety system networks and remote devices behind firewalls and isolate them from the business network.
- Install physical controls so no unauthorized personnel can access your industrial control and safety systems, components, peripheral equipment, and networks.
- Place all controllers in locked cabinets and never leave them in the "Program" mode.
- Never connect programming software to any network other than the network for the devices that it is intended for.
- Scan all methods of mobile data exchange with the isolated network such as CDs, USB drives, etc. before use in the terminals or any node connected to these networks.
- Never allow laptops that have connected to any other network besides the intended network to connect to the safety or control networks without proper sanitation.
- Minimize network exposure for all control system devices and systems, and ensure that they are not accessible from the Internet.
- When remote access is required, use secure methods, such as Virtual Private Networks (VPNs). Recognize that VPNs may have vulnerabilities and should be updated to the most current version available. Also, understand that VPNs are only as secure as the connected devices.

For More Information

This document provides an overview of the identified vulnerability or vulnerabilities and actions required to mitigate. For more details and assistance on how to protect your installation, please contact your local Schneider Electric representative or Schneider Electric Industrial Cybersecurity Services. These organizations will be fully aware of this situation and can support you through the process.

<http://www2.schneider-electric.com/sites/corporate/en/support/cybersecurity/cybersecurity.page>

<https://www.schneider-electric.com/en/work/services/field-services/industrial-automation/industrial-cybersecurity/industrial-cybersecurity.jsp>

Schneider Electric Security Notification

Legal Disclaimer

THIS DOCUMENT IS INTENDED TO HELP PROVIDE AN OVERVIEW OF THE IDENTIFIED SITUATION AND SUGGESTED MITIGATION ACTIONS, REMEDIATION, FIX, AND/OR GENERAL SECURITY RECOMMENDATIONS AND IS PROVIDED ON AN “AS-IS” BASIS WITHOUT WARRANTY OF ANY KIND. SCHNEIDER ELECTRIC DISCLAIMS ALL WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL SCHNEIDER ELECTRIC BE LIABLE FOR ANY DAMAGES WHATSOEVER INCLUDING DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL, LOSS OF BUSINESS PROFITS OR SPECIAL DAMAGES, EVEN IF SCHNEIDER ELECTRIC HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE USE OF THIS NOTIFICATION, INFORMATION CONTAINED HEREIN, OR MATERIALS LINKED TO IT ARE AT YOUR OWN RISK. SCHNEIDER ELECTRIC RESERVES THE RIGHT TO UPDATE OR CHANGE THIS NOTIFICATION AT ANY TIME AND IN ITS SOLE DISCRETION.

Revision Control:

| | |
|------------------------------------|---|
| Version 1.0 12 July 2019 | Original Release |
| Version 2.0 17 July 2019 | Remediation section for TelevisGo product updated to remove <i>Alternatively, disable the Windows' native Remote Desktop feature</i> (page 4) |
| Version 3.0 27 Sep 2019 | Added “Conext Control” and “Conext Advisor 2” products to the Affected Products and Remediation section (pages 6-7) |
| Version 4.0 12 Nov 2019 | Updated affected product details for “Conext Control” product (page 6) |
| Version 5.0 14 Jul 2020 | Updated products for HMI (pages 3 to 11) |
| Version 6.0 12 Oct 2021 | Added remediations for <i>Conext™ Advisor 2 Cloud, Conext™ Advisor 2 Gateway, Conext™ Control V2 Gateway</i> (page 3). |