



# CVE-2020-24486

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## Summary

|                        |  |
|------------------------|--|
| <b>CVE</b>             | CVE-2020-24486   |
| <b>State</b>           | PUBLIC   |
| <b>Assigner</b>        | secure@intel.com   |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback   |
| <b>Published</b>       | 2021-06-09 19:15:00 UTC  |
| <b>Updated</b>         | 2022-04-22 16:19:00 UTC  |
| <b>Description</b>     | Improper input validation in the firmware for some Intel(R) Processors may allow an authenticated user to potentially enable |

## Risk And Classification

### Problem Types: CWE-20

## NVD Known Affected Configurations (CPE 2.3)

| Type             | Vendor | Product         | Version | Update | Edition | Language |
|------------------|--------|-----------------|---------|--------|---------|----------|
| Operating System | Intel  | Bios            | -       | All    | All     | All      |
| Hardware         | Intel  | Core I3-I13g4   | -       | All    | All     | All      |
| Hardware         | Intel  | Core I5-I16g7   | -       | All    | All     | All      |
| Hardware         | Intel  | Core I7-10510u  | -       | All    | All     | All      |
| Hardware         | Intel  | Core I7-10510y  | -       | All    | All     | All      |
| Hardware         | Intel  | Core I7-1060g7  | -       | All    | All     | All      |
| Hardware         | Intel  | Core I7-1060ng7 | -       | All    | All     | All      |
| Hardware         | Intel  | Core I7-10610u  | -       | All    | All     | All      |
| Hardware         | Intel  | Core I7-1065g7  | -       | All    | All     | All      |
| Hardware         | Intel  | Core I7-1068ng7 | -       | All    | All     | All      |
| Hardware         | Intel  | Core I7-10700   | -       | All    | All     | All      |
| Hardware         | Intel  | Core I7-10700e  | -       | All    | All     | All      |
| Hardware         | Intel  | Core I7-10700f  | -       | All    | All     | All      |
| Hardware         | Intel  | Core I7-10700k  | -       | All    | All     | All      |
| Hardware         | Intel  | Core I7-10700kf | -       | All    | All     | All      |
| Hardware         | Intel  | Core I7-10700t  | -       | All    | All     | All      |
| Hardware         | Intel  | Core I7-10700te | -       | All    | All     | All      |

|          |       |                 |   |     |     |     |
|----------|-------|-----------------|---|-----|-----|-----|
| Hardware | Intel | Core I7-10710u  | - | All | All | All |
| Hardware | Intel | Core I7-10750h  | - | All | All | All |
| Hardware | Intel | Core I7-10810u  | - | All | All | All |
| Hardware | Intel | Core I7-10850h  | - | All | All | All |
| Hardware | Intel | Core I7-10870h  | - | All | All | All |
| Hardware | Intel | Core I7-10875h  | - | All | All | All |
| Hardware | Intel | Core I7-11370h  | - | All | All | All |
| Hardware | Intel | Core I7-11375h  | - | All | All | All |
| Hardware | Intel | Core I7-1160g7  | - | All | All | All |
| Hardware | Intel | Core I7-1165g7  | - | All | All | All |
| Hardware | Intel | Core I7-11700   | - | All | All | All |
| Hardware | Intel | Core I7-11700b  | - | All | All | All |
| Hardware | Intel | Core I7-11700f  | - | All | All | All |
| Hardware | Intel | Core I7-11700k  | - | All | All | All |
| Hardware | Intel | Core I7-11700kf | - | All | All | All |
| Hardware | Intel | Core I7-11700t  | - | All | All | All |
| Hardware | Intel | Core I7-11800h  | - | All | All | All |
| Hardware | Intel | Core I7-1180g7  | - | All | All | All |
| Hardware | Intel | Core I7-11850h  | - | All | All | All |
| Hardware | Intel | Core I7-1185g7  | - | All | All | All |
| Hardware | Intel | Core I7-1185g7e | - | All | All | All |
| Hardware | Intel | Core I7-1185gre | - | All | All | All |
| Hardware | Intel | Core I7-1195g7  | - | All | All | All |
| Hardware | Intel | Core I7-6498du  | - | All | All | All |
| Hardware | Intel | Core I7-6500u   | - | All | All | All |
| Hardware | Intel | Core I7-6560u   | - | All | All | All |
| Hardware | Intel | Core I7-6567u   | - | All | All | All |
| Hardware | Intel | Core I7-6600u   | - | All | All | All |
| Hardware | Intel | Core I7-6650u   | - | All | All | All |
| Hardware | Intel | Core I7-6660u   | - | All | All | All |
| Hardware | Intel | Core I7-6700    | - | All | All | All |
| Hardware | Intel | Core I7-6700hq  | - | All | All | All |
| Hardware | Intel | Core I7-6700k   | - | All | All | All |
| Hardware | Intel | Core I7-6700t   | - | All | All | All |
| Hardware | Intel | Core I7-6700te  | - | All | All | All |

|          |       |                |   |     |     |     |
|----------|-------|----------------|---|-----|-----|-----|
| Hardware | Intel | Core I7-6770hq | - | All | All | All |
| Hardware | Intel | Core I7-6785r  | - | All | All | All |
| Hardware | Intel | Core I7-6820eq | - | All | All | All |
| Hardware | Intel | Core I7-6820hk | - | All | All | All |
| Hardware | Intel | Core I7-6820hq | - | All | All | All |
| Hardware | Intel | Core I7-6822eq | - | All | All | All |
| Hardware | Intel | Core I7-6870hq | - | All | All | All |
| Hardware | Intel | Core I7-6920hq | - | All | All | All |
| Hardware | Intel | Core I7-6970hq | - | All | All | All |
| Hardware | Intel | Core I7-7500u  | - | All | All | All |
| Hardware | Intel | Core I7-7560u  | - | All | All | All |
| Hardware | Intel | Core I7-7567u  | - | All | All | All |
| Hardware | Intel | Core I7-7600u  | - | All | All | All |
| Hardware | Intel | Core I7-7660u  | - | All | All | All |
| Hardware | Intel | Core I7-7700   | - | All | All | All |
| Hardware | Intel | Core I7-7700hq | - | All | All | All |
| Hardware | Intel | Core I7-7700k  | - | All | All | All |
| Hardware | Intel | Core I7-7700t  | - | All | All | All |
| Hardware | Intel | Core I7-7820eq | - | All | All | All |
| Hardware | Intel | Core I7-7820hk | - | All | All | All |
| Hardware | Intel | Core I7-7820hq | - | All | All | All |
| Hardware | Intel | Core I7-7920hq | - | All | All | All |
| Hardware | Intel | Core I7-7y75   | - | All | All | All |
| Hardware | Intel | Core I7-8086k  | - | All | All | All |
| Hardware | Intel | Core I7-8500y  | - | All | All | All |
| Hardware | Intel | Core I7-8550u  | - | All | All | All |
| Hardware | Intel | Core I7-8557u  | - | All | All | All |
| Hardware | Intel | Core I7-8559u  | - | All | All | All |
| Hardware | Intel | Core I7-8565u  | - | All | All | All |
| Hardware | Intel | Core I7-8569u  | - | All | All | All |
| Hardware | Intel | Core I7-8650u  | - | All | All | All |
| Hardware | Intel | Core I7-8665u  | - | All | All | All |
| Hardware | Intel | Core I7-8665ue | - | All | All | All |
| Hardware | Intel | Core I7-8700   | - | All | All | All |
| Hardware | Intel | Core I7-8700b  | - | All | All | All |

|          |       |                   |   |     |     |     |
|----------|-------|-------------------|---|-----|-----|-----|
| Hardware | Intel | Core I7-8700k     | - | All | All | All |
| Hardware | Intel | Core I7-8700t     | - | All | All | All |
| Hardware | Intel | Core I7-8705g     | - | All | All | All |
| Hardware | Intel | Core I7-8706g     | - | All | All | All |
| Hardware | Intel | Core I7-8709g     | - | All | All | All |
| Hardware | Intel | Core I7-8750h     | - | All | All | All |
| Hardware | Intel | Core I7-8809g     | - | All | All | All |
| Hardware | Intel | Core I7-8850h     | - | All | All | All |
| Hardware | Intel | Core I9-10900x    | - | All | All | All |
| Hardware | Intel | Core I9-10920x    | - | All | All | All |
| Hardware | Intel | Core I9-10940x    | - | All | All | All |
| Hardware | Intel | Core I9-10980xe   | - | All | All | All |
| Hardware | Intel | Xeon Bronze 3104  | - | All | All | All |
| Hardware | Intel | Xeon Bronze 3106  | - | All | All | All |
| Hardware | Intel | Xeon Bronze 3204  | - | All | All | All |
| Hardware | Intel | Xeon Bronze 3206r | - | All | All | All |
| Hardware | Intel | Xeon D-1513n      | - | All | All | All |
| Hardware | Intel | Xeon D-1518       | - | All | All | All |
| Hardware | Intel | Xeon D-1520       | - | All | All | All |
| Hardware | Intel | Xeon D-1521       | - | All | All | All |
| Hardware | Intel | Xeon D-1523n      | - | All | All | All |
| Hardware | Intel | Xeon D-1524n      | - | All | All | All |
| Hardware | Intel | Xeon D-1527       | - | All | All | All |
| Hardware | Intel | Xeon D-1528       | - | All | All | All |
| Hardware | Intel | Xeon D-1529       | - | All | All | All |
| Hardware | Intel | Xeon D-1531       | - | All | All | All |
| Hardware | Intel | Xeon D-1533n      | - | All | All | All |
| Hardware | Intel | Xeon D-1537       | - | All | All | All |
| Hardware | Intel | Xeon D-1539       | - | All | All | All |
| Hardware | Intel | Xeon D-1540       | - | All | All | All |
| Hardware | Intel | Xeon D-1541       | - | All | All | All |
| Hardware | Intel | Xeon D-1543n      | - | All | All | All |
| Hardware | Intel | Xeon D-1548       | - | All | All | All |
| Hardware | Intel | Xeon D-1553n      | - | All | All | All |
| Hardware | Intel | Xeon D-1557       | - | All | All | All |
| Hardware | Intel | Xeon D-1559       | - | All | All | All |

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|----------|-------|---------------|---|-----|-----|-----|
| Hardware | Intel | Xeon D-1563n  | - | All | All | All |
| Hardware | Intel | Xeon D-1567   | - | All | All | All |
| Hardware | Intel | Xeon D-1571   | - | All | All | All |
| Hardware | Intel | Xeon D-1573n  | - | All | All | All |
| Hardware | Intel | Xeon D-1577   | - | All | All | All |
| Hardware | Intel | Xeon D-1581   | - | All | All | All |
| Hardware | Intel | Xeon D-1587   | - | All | All | All |
| Hardware | Intel | Xeon D-1602   | - | All | All | All |
| Hardware | Intel | Xeon D-1612   | - | All | All | All |
| Hardware | Intel | Xeon D-1622   | - | All | All | All |
| Hardware | Intel | Xeon D-1623n  | - | All | All | All |
| Hardware | Intel | Xeon D-1627   | - | All | All | All |
| Hardware | Intel | Xeon D-1632   | - | All | All | All |
| Hardware | Intel | Xeon D-1633n  | - | All | All | All |
| Hardware | Intel | Xeon D-1637   | - | All | All | All |
| Hardware | Intel | Xeon D-1649n  | - | All | All | All |
| Hardware | Intel | Xeon D-1653n  | - | All | All | All |
| Hardware | Intel | Xeon D-2123it | - | All | All | All |
| Hardware | Intel | Xeon D-2141i  | - | All | All | All |
| Hardware | Intel | Xeon D-2142it | - | All | All | All |
| Hardware | Intel | Xeon D-2143it | - | All | All | All |
| Hardware | Intel | Xeon D-2145nt | - | All | All | All |
| Hardware | Intel | Xeon D-2146nt | - | All | All | All |
| Hardware | Intel | Xeon D-2161i  | - | All | All | All |
| Hardware | Intel | Xeon D-2163it | - | All | All | All |
| Hardware | Intel | Xeon D-2166nt | - | All | All | All |
| Hardware | Intel | Xeon D-2173it | - | All | All | All |
| Hardware | Intel | Xeon D-2177nt | - | All | All | All |
| Hardware | Intel | Xeon D-2183it | - | All | All | All |
| Hardware | Intel | Xeon D-2187nt | - | All | All | All |
| Hardware | Intel | Xeon D-2191   | - | All | All | All |
| Hardware | Intel | Xeon E-2104g  | - | All | All | All |
| Hardware | Intel | Xeon E-2124   | - | All | All | All |
| Hardware | Intel | Xeon E-2124g  | - | All | All | All |
| Hardware | Intel | Xeon E-2126g  | - | All | All | All |

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|----------|-------|-----------------|---|-----|-----|-----|
| Hardware | Intel | Xeon E-2134     | - | All | All | All |
| Hardware | Intel | Xeon E-2136     | - | All | All | All |
| Hardware | Intel | Xeon E-2144g    | - | All | All | All |
| Hardware | Intel | Xeon E-2146g    | - | All | All | All |
| Hardware | Intel | Xeon E-2174g    | - | All | All | All |
| Hardware | Intel | Xeon E-2176g    | - | All | All | All |
| Hardware | Intel | Xeon E-2176m    | - | All | All | All |
| Hardware | Intel | Xeon E-2186g    | - | All | All | All |
| Hardware | Intel | Xeon E-2186m    | - | All | All | All |
| Hardware | Intel | Xeon E-2224     | - | All | All | All |
| Hardware | Intel | Xeon E-2224g    | - | All | All | All |
| Hardware | Intel | Xeon E-2226g    | - | All | All | All |
| Hardware | Intel | Xeon E-2226ge   | - | All | All | All |
| Hardware | Intel | Xeon E-2234     | - | All | All | All |
| Hardware | Intel | Xeon E-2236     | - | All | All | All |
| Hardware | Intel | Xeon E-2244g    | - | All | All | All |
| Hardware | Intel | Xeon E-2246g    | - | All | All | All |
| Hardware | Intel | Xeon E-2254me   | - | All | All | All |
| Hardware | Intel | Xeon E-2254ml   | - | All | All | All |
| Hardware | Intel | Xeon E-2274g    | - | All | All | All |
| Hardware | Intel | Xeon E-2276g    | - | All | All | All |
| Hardware | Intel | Xeon E-2276m    | - | All | All | All |
| Hardware | Intel | Xeon E-2276me   | - | All | All | All |
| Hardware | Intel | Xeon E-2276ml   | - | All | All | All |
| Hardware | Intel | Xeon E-2278g    | - | All | All | All |
| Hardware | Intel | Xeon E-2278ge   | - | All | All | All |
| Hardware | Intel | Xeon E-2278gel  | - | All | All | All |
| Hardware | Intel | Xeon E-2286g    | - | All | All | All |
| Hardware | Intel | Xeon E-2286m    | - | All | All | All |
| Hardware | Intel | Xeon E-2288g    | - | All | All | All |
| Hardware | Intel | Xeon E3-1205 V6 | - | All | All | All |
| Hardware | Intel | Xeon E3-1220 V5 | - | All | All | All |
| Hardware | Intel | Xeon E3-1220 V6 | - | All | All | All |
| Hardware | Intel | Xeon E3-1225 V5 | - | All | All | All |
| Hardware | Intel | Xeon E3-1225 V6 | - | All | All | All |
| Hardware | Intel | Xeon E3-1226 V5 | - | All | All | All |
| Hardware | Intel | Xeon E3-1226 V6 | - | All | All | All |
| Hardware | Intel | Xeon E3-1226 V7 | - | All | All | All |

|          |       |                  |   |     |     |     |
|----------|-------|------------------|---|-----|-----|-----|
| Hardware | intel | Xeon E3-1230 V3  | - | All | All | All |
| Hardware | Intel | Xeon E3-1230 V6  | - | All | All | All |
| Hardware | Intel | Xeon E3-1235l V5 | - | All | All | All |
| Hardware | Intel | Xeon E3-1240l V5 | - | All | All | All |
| Hardware | Intel | Xeon E3-1240 V5  | - | All | All | All |
| Hardware | Intel | Xeon E3-1240 V6  | - | All | All | All |
| Hardware | Intel | Xeon E3-1245 V5  | - | All | All | All |
| Hardware | Intel | Xeon E3-1245 V6  | - | All | All | All |
| Hardware | Intel | Xeon E3-1260l V5 | - | All | All | All |
| Hardware | Intel | Xeon E3-1268l V5 | - | All | All | All |
| Hardware | Intel | Xeon E3-1270 V5  | - | All | All | All |
| Hardware | Intel | Xeon E3-1270 V6  | - | All | All | All |
| Hardware | Intel | Xeon E3-1275 V5  | - | All | All | All |
| Hardware | Intel | Xeon E3-1275 V6  | - | All | All | All |
| Hardware | Intel | Xeon E3-1280 V5  | - | All | All | All |
| Hardware | Intel | Xeon E3-1280 V6  | - | All | All | All |
| Hardware | Intel | Xeon E3-1285 V6  | - | All | All | All |
| Hardware | Intel | Xeon E3-1501l V6 | - | All | All | All |
| Hardware | Intel | Xeon E3-1501m V6 | - | All | All | All |
| Hardware | Intel | Xeon E3-1505l V5 | - | All | All | All |
| Hardware | Intel | Xeon E3-1505l V6 | - | All | All | All |
| Hardware | Intel | Xeon E3-1505m V5 | - | All | All | All |
| Hardware | Intel | Xeon E3-1505m V6 | - | All | All | All |
| Hardware | Intel | Xeon E3-1515m V5 | - | All | All | All |
| Hardware | Intel | Xeon E3-1535m V5 | - | All | All | All |
| Hardware | Intel | Xeon E3-1535m V6 | - | All | All | All |
| Hardware | Intel | Xeon E3-1545m V5 | - | All | All | All |
| Hardware | Intel | Xeon E3-1558l V5 | - | All | All | All |
| Hardware | Intel | Xeon E3-1565l V5 | - | All | All | All |
| Hardware | Intel | Xeon E3-1575m V5 | - | All | All | All |
| Hardware | Intel | Xeon E3-1578l V5 | - | All | All | All |
| Hardware | Intel | Xeon E3-1585l V5 | - | All | All | All |
| Hardware | Intel | Xeon E3-1585 V5  | - | All | All | All |
| Hardware | Intel | Xeon E5-1428l V3 | - | All | All | All |
| Hardware | Intel | Xeon E5-1603 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-1603 V4  | - | All | All | All |

|          |       |                  |   |     |     |     |
|----------|-------|------------------|---|-----|-----|-----|
| Hardware | Intel | Xeon E5-1607 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-1607 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-1620 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-1620 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-1630 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-1630 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-1650 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-1650 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-1660 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-1660 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-1680 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-1680 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-2408I V3 | - | All | All | All |
| Hardware | Intel | Xeon E5-2418I V3 | - | All | All | All |
| Hardware | Intel | Xeon E5-2428I V3 | - | All | All | All |
| Hardware | Intel | Xeon E5-2438I V3 | - | All | All | All |
| Hardware | Intel | Xeon E5-2603 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-2603 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-2608I V3 | - | All | All | All |
| Hardware | Intel | Xeon E5-2608I V4 | - | All | All | All |
| Hardware | Intel | Xeon E5-2609 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-2609 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-2618I V3 | - | All | All | All |
| Hardware | Intel | Xeon E5-2618I V4 | - | All | All | All |
| Hardware | Intel | Xeon E5-2620 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-2620 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-2623 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-2623 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-2628I V3 | - | All | All | All |
| Hardware | Intel | Xeon E5-2628I V4 | - | All | All | All |
| Hardware | Intel | Xeon E5-2630I V3 | - | All | All | All |
| Hardware | Intel | Xeon E5-2630I V4 | - | All | All | All |
| Hardware | Intel | Xeon E5-2630 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-2630 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-2637 V3  | - | All | All | All |

|          |       |                  |   |     |     |     |
|----------|-------|------------------|---|-----|-----|-----|
| Hardware | Intel | Xeon E5-2637 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-2640 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-2640 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-2643 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-2643 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-2648l V3 | - | All | All | All |
| Hardware | Intel | Xeon E5-2648l V4 | - | All | All | All |
| Hardware | Intel | Xeon E5-2650l V3 | - | All | All | All |
| Hardware | Intel | Xeon E5-2650l V4 | - | All | All | All |
| Hardware | Intel | Xeon E5-2650 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-2650 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-2658a V3 | - | All | All | All |
| Hardware | Intel | Xeon E5-2658 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-2658 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-2660 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-2660 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-2667 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-2667 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-2670 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-2679 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-2680 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-2680 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-2683 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-2683 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-2685 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-2687w V3 | - | All | All | All |
| Hardware | Intel | Xeon E5-2687w V4 | - | All | All | All |
| Hardware | Intel | Xeon E5-2689 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-2690 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-2690 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-2695 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-2695 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-2697a V4 | - | All | All | All |
| Hardware | Intel | Xeon E5-2697 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-2697 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-2698 V3  | - | All | All | All |

|          |       |                  |   |     |     |     |
|----------|-------|------------------|---|-----|-----|-----|
| Hardware | Intel | Xeon E5-2696 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-2698 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-2699a V4 | - | All | All | All |
| Hardware | Intel | Xeon E5-2699r V4 | - | All | All | All |
| Hardware | Intel | Xeon E5-2699 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-2699 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-4610 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-4610 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-4620 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-4620 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-4627 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-4627 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-4628l V4 | - | All | All | All |
| Hardware | Intel | Xeon E5-4640 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-4640 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-4648 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-4650 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-4650 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-4655 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-4655 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-4660 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-4660 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-4667 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-4667 V4  | - | All | All | All |
| Hardware | Intel | Xeon E5-4669 V3  | - | All | All | All |
| Hardware | Intel | Xeon E5-4669 V4  | - | All | All | All |
| Hardware | Intel | Xeon E7-4809 V4  | - | All | All | All |
| Hardware | Intel | Xeon E7-4820 V4  | - | All | All | All |
| Hardware | Intel | Xeon E7-4830 V4  | - | All | All | All |
| Hardware | Intel | Xeon E7-4850 V4  | - | All | All | All |
| Hardware | Intel | Xeon E7-8855 V4  | - | All | All | All |
| Hardware | Intel | Xeon E7-8860 V4  | - | All | All | All |
| Hardware | Intel | Xeon E7-8867 V4  | - | All | All | All |
| Hardware | Intel | Xeon E7-8870 V4  | - | All | All | All |
| Hardware | Intel | Xeon E7-8880 V4  | - | All | All | All |
| Hardware | Intel | Xeon E7-8890 V4  | - | All | All | All |

|          |       |                 |   |     |     |     |
|----------|-------|-----------------|---|-----|-----|-----|
| Hardware | Intel | Xeon E7-8891 V4 | - | All | All | All |
| Hardware | Intel | Xeon E7-8893 V4 | - | All | All | All |
| Hardware | Intel | Xeon E7-8894 V4 | - | All | All | All |
| Hardware | Intel | Xeon Gold 5115  | - | All | All | All |
| Hardware | Intel | Xeon Gold 5117  | - | All | All | All |
| Hardware | Intel | Xeon Gold 5117f | - | All | All | All |
| Hardware | Intel | Xeon Gold 5118  | - | All | All | All |
| Hardware | Intel | Xeon Gold 5119t | - | All | All | All |
| Hardware | Intel | Xeon Gold 5120  | - | All | All | All |
| Hardware | Intel | Xeon Gold 5120t | - | All | All | All |
| Hardware | Intel | Xeon Gold 5122  | - | All | All | All |
| Hardware | Intel | Xeon Gold 5215  | - | All | All | All |
| Hardware | Intel | Xeon Gold 5215l | - | All | All | All |
| Hardware | Intel | Xeon Gold 5217  | - | All | All | All |
| Hardware | Intel | Xeon Gold 5218  | - | All | All | All |
| Hardware | Intel | Xeon Gold 5218b | - | All | All | All |
| Hardware | Intel | Xeon Gold 5218n | - | All | All | All |
| Hardware | Intel | Xeon Gold 5218r | - | All | All | All |
| Hardware | Intel | Xeon Gold 5218t | - | All | All | All |
| Hardware | Intel | Xeon Gold 5219y | - | All | All | All |
| Hardware | Intel | Xeon Gold 5220  | - | All | All | All |
| Hardware | Intel | Xeon Gold 5220r | - | All | All | All |
| Hardware | Intel | Xeon Gold 5220s | - | All | All | All |
| Hardware | Intel | Xeon Gold 5220t | - | All | All | All |
| Hardware | Intel | Xeon Gold 5222  | - | All | All | All |
| Hardware | Intel | Xeon Gold 6122  | - | All | All | All |
| Hardware | Intel | Xeon Gold 6126  | - | All | All | All |
| Hardware | Intel | Xeon Gold 6126f | - | All | All | All |
| Hardware | Intel | Xeon Gold 6126t | - | All | All | All |
| Hardware | Intel | Xeon Gold 6128  | - | All | All | All |
| Hardware | Intel | Xeon Gold 6129  | - | All | All | All |
| Hardware | Intel | Xeon Gold 6130  | - | All | All | All |
| Hardware | Intel | Xeon Gold 6130f | - | All | All | All |
| Hardware | Intel | Xeon Gold 6130h | - | All | All | All |
| Hardware | Intel | Xeon Gold 6130t | - | All | All | All |

|          |       |                 |   |     |     |     |
|----------|-------|-----------------|---|-----|-----|-----|
| Hardware | Intel | Xeon Gold 6132  | - | All | All | All |
| Hardware | Intel | Xeon Gold 6134  | - | All | All | All |
| Hardware | Intel | Xeon Gold 6134m | - | All | All | All |
| Hardware | Intel | Xeon Gold 6135  | - | All | All | All |
| Hardware | Intel | Xeon Gold 6136  | - | All | All | All |
| Hardware | Intel | Xeon Gold 6137  | - | All | All | All |
| Hardware | Intel | Xeon Gold 6138  | - | All | All | All |
| Hardware | Intel | Xeon Gold 6138f | - | All | All | All |
| Hardware | Intel | Xeon Gold 6138p | - | All | All | All |
| Hardware | Intel | Xeon Gold 6138t | - | All | All | All |
| Hardware | Intel | Xeon Gold 6140  | - | All | All | All |
| Hardware | Intel | Xeon Gold 6140m | - | All | All | All |
| Hardware | Intel | Xeon Gold 6142  | - | All | All | All |
| Hardware | Intel | Xeon Gold 6142f | - | All | All | All |
| Hardware | Intel | Xeon Gold 6142m | - | All | All | All |
| Hardware | Intel | Xeon Gold 6143  | - | All | All | All |
| Hardware | Intel | Xeon Gold 6144  | - | All | All | All |
| Hardware | Intel | Xeon Gold 6146  | - | All | All | All |
| Hardware | Intel | Xeon Gold 6148  | - | All | All | All |
| Hardware | Intel | Xeon Gold 6148f | - | All | All | All |
| Hardware | Intel | Xeon Gold 6150  | - | All | All | All |
| Hardware | Intel | Xeon Gold 6152  | - | All | All | All |
| Hardware | Intel | Xeon Gold 6154  | - | All | All | All |
| Hardware | Intel | Xeon Gold 6162  | - | All | All | All |
| Hardware | Intel | Xeon Gold 6208u | - | All | All | All |
| Hardware | Intel | Xeon Gold 6209u | - | All | All | All |
| Hardware | Intel | Xeon Gold 6210u | - | All | All | All |
| Hardware | Intel | Xeon Gold 6212u | - | All | All | All |
| Hardware | Intel | Xeon Gold 6222  | - | All | All | All |
| Hardware | Intel | Xeon Gold 6222v | - | All | All | All |
| Hardware | Intel | Xeon Gold 6226  | - | All | All | All |
| Hardware | Intel | Xeon Gold 6226r | - | All | All | All |
| Hardware | Intel | Xeon Gold 6230  | - | All | All | All |
| Hardware | Intel | Xeon Gold 6230n | - | All | All | All |
| Hardware | Intel | Xeon Gold 6230r | - | All | All | All |
| Hardware | Intel | Xeon Gold 6230t | - | All | All | All |

| Hardware | Intel | Xeon Gold 6230      | - | All | All | All |
|----------|-------|---------------------|---|-----|-----|-----|
| Hardware | Intel | Xeon Gold 6234      | - | All | All | All |
| Hardware | Intel | Xeon Gold 6238      | - | All | All | All |
| Hardware | Intel | Xeon Gold 6238l     | - | All | All | All |
| Hardware | Intel | Xeon Gold 6238t     | - | All | All | All |
| Hardware | Intel | Xeon Gold 6240      | - | All | All | All |
| Hardware | Intel | Xeon Gold 6240l     | - | All | All | All |
| Hardware | Intel | Xeon Gold 6240r     | - | All | All | All |
| Hardware | Intel | Xeon Gold 6240y     | - | All | All | All |
| Hardware | Intel | Xeon Gold 6242      | - | All | All | All |
| Hardware | Intel | Xeon Gold 6242r     | - | All | All | All |
| Hardware | Intel | Xeon Gold 6244      | - | All | All | All |
| Hardware | Intel | Xeon Gold 6246      | - | All | All | All |
| Hardware | Intel | Xeon Gold 6246r     | - | All | All | All |
| Hardware | Intel | Xeon Gold 6248      | - | All | All | All |
| Hardware | Intel | Xeon Gold 6248r     | - | All | All | All |
| Hardware | Intel | Xeon Gold 6250      | - | All | All | All |
| Hardware | Intel | Xeon Gold 6250l     | - | All | All | All |
| Hardware | Intel | Xeon Gold 6252      | - | All | All | All |
| Hardware | Intel | Xeon Gold 6252n     | - | All | All | All |
| Hardware | Intel | Xeon Gold 6254      | - | All | All | All |
| Hardware | Intel | Xeon Gold 6256      | - | All | All | All |
| Hardware | Intel | Xeon Gold 6258r     | - | All | All | All |
| Hardware | Intel | Xeon Gold 6262      | - | All | All | All |
| Hardware | Intel | Xeon Gold 6262v     | - | All | All | All |
| Hardware | Intel | Xeon Gold 6269y     | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8153  | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8156  | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8158  | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8160  | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8160f | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8160h | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8160m | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8160t | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8164  | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8165  | - | All | All | All |

|          |       |                     |   |     |     |     |
|----------|-------|---------------------|---|-----|-----|-----|
| Hardware | Intel | Xeon Platinum 8168  | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8170  | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8170m | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8174  | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8176  | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8176f | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8176m | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8180  | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8180m | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8253  | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8256  | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8260  | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8260l | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8260y | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8268  | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8270  | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8274  | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8276  | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8276l | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8280  | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8280l | - | All | All | All |
| Hardware | Intel | Xeon Platinum 8284  | - | All | All | All |
| Hardware | Intel | Xeon Platinum 9221  | - | All | All | All |
| Hardware | Intel | Xeon Platinum 9222  | - | All | All | All |
| Hardware | Intel | Xeon Platinum 9242  | - | All | All | All |
| Hardware | Intel | Xeon Platinum 9282  | - | All | All | All |
| Hardware | Intel | Xeon Silver 4106h   | - | All | All | All |
| Hardware | Intel | Xeon Silver 4108    | - | All | All | All |
| Hardware | Intel | Xeon Silver 4109t   | - | All | All | All |
| Hardware | Intel | Xeon Silver 4110    | - | All | All | All |
| Hardware | Intel | Xeon Silver 4112    | - | All | All | All |
| Hardware | Intel | Xeon Silver 4114    | - | All | All | All |
| Hardware | Intel | Xeon Silver 4114t   | - | All | All | All |
| Hardware | Intel | Xeon Silver 4116    | - | All | All | All |
| Hardware | Intel | Xeon Silver 4116t   | - | All | All | All |

|          |       |                   |   |     |     |     |
|----------|-------|-------------------|---|-----|-----|-----|
| Hardware | Intel | Xeon Silver 4123  | - | All | All | All |
| Hardware | Intel | Xeon Silver 4208  | - | All | All | All |
| Hardware | Intel | Xeon Silver 4209t | - | All | All | All |
| Hardware | Intel | Xeon Silver 4210  | - | All | All | All |
| Hardware | Intel | Xeon Silver 4210r | - | All | All | All |
| Hardware | Intel | Xeon Silver 4210t | - | All | All | All |
| Hardware | Intel | Xeon Silver 4214  | - | All | All | All |
| Hardware | Intel | Xeon Silver 4214r | - | All | All | All |
| Hardware | Intel | Xeon Silver 4214y | - | All | All | All |
| Hardware | Intel | Xeon Silver 4215  | - | All | All | All |
| Hardware | Intel | Xeon Silver 4215r | - | All | All | All |
| Hardware | Intel | Xeon Silver 4216  | - | All | All | All |
| Hardware | Intel | Xeon W-10855m     | - | All | All | All |
| Hardware | Intel | Xeon W-10885m     | - | All | All | All |
| Hardware | Intel | Xeon W-11855m     | - | All | All | All |
| Hardware | Intel | Xeon W-11955m     | - | All | All | All |
| Hardware | Intel | Xeon W-1250       | - | All | All | All |
| Hardware | Intel | Xeon W-1250e      | - | All | All | All |
| Hardware | Intel | Xeon W-1250p      | - | All | All | All |
| Hardware | Intel | Xeon W-1250te     | - | All | All | All |
| Hardware | Intel | Xeon W-1270       | - | All | All | All |
| Hardware | Intel | Xeon W-1270e      | - | All | All | All |
| Hardware | Intel | Xeon W-1270te     | - | All | All | All |
| Hardware | Intel | Xeon W-1290       | - | All | All | All |
| Hardware | Intel | Xeon W-1290e      | - | All | All | All |
| Hardware | Intel | Xeon W-1290p      | - | All | All | All |
| Hardware | Intel | Xeon W-1290t      | - | All | All | All |
| Hardware | Intel | Xeon W-1290te     | - | All | All | All |
| Hardware | Intel | Xeon W-1350       | - | All | All | All |
| Hardware | Intel | Xeon W-1350p      | - | All | All | All |
| Hardware | Intel | Xeon W-1370       | - | All | All | All |
| Hardware | Intel | Xeon W-1370p      | - | All | All | All |
| Hardware | Intel | Xeon W-1390       | - | All | All | All |
| Hardware | Intel | Xeon W-1390p      | - | All | All | All |
| Hardware | Intel | Xeon W-1390t      | - | All | All | All |
| Hardware | Intel | Xeon W-2102       | - | All | All | All |

| Category         | Manufacturer | Product Name          | Support Status | OS Support | Hardware Support | Software Support |
|------------------|--------------|-----------------------|----------------|------------|------------------|------------------|
| Hardware         | Intel        | Xeon W-2104           | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-2123           | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-2125           | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-2133           | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-2135           | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-2145           | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-2155           | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-2175           | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-2195           | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-2223           | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-2225           | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-2235           | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-2245           | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-2255           | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-2265           | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-2275           | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-2295           | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-3175x          | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-3223           | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-3225           | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-3235           | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-3245           | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-3245m          | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-3265           | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-3265m          | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-3275           | -              | All        | All              | All              |
| Hardware         | Intel        | Xeon W-3275m          | -              | All        | All              | All              |
| Operating System | Netapp       | Aff Bios              | -              | All        | All              | All              |
| Application      | Netapp       | Cloud Backup          | -              | All        | All              | All              |
| Operating System | Netapp       | E-series Bios         | -              | All        | All              | All              |
| Operating System | Netapp       | Fas Bios              | -              | All        | All              | All              |
| Operating System | Netapp       | Hci Compute Node Bios | -              | All        | All              | All              |
| Operating System | Netapp       | Hci Storage Node Bios | -              | All        | All              | All              |
| Operating System | Netapp       | Solidfire Bios        | -              | All        | All              | All              |
| Hardware         | Siemens      | Simatic Ipc547g       | -              | All        | All              | All              |

|                  |                         |  |     |     |     |     |
|------------------|-------------------------|--|-----|-----|-----|-----|
| Operating System | <a href="#">Siemens</a> | <a href="#">Simatic Ipc547g Firmware</a> | All | All | All | All |
|------------------|-------------------------|--|-----|-----|-----|-----|

## References

| Reference   | Source  | Link  | Tags   |
|---|---------|---|--------|
| Intel SA-00463 BIOS Firmware Vulnerabilities in NetApp Products   NetApp Product Security   | CONFIRM | <a href="https://security.netapp.com">security.netapp.com</a>         |        |
| <a href="https://cert-portal.siemens.com/productcert/pdf/ssa-309571.pdf">cert-portal.siemens.com/productcert/pdf/ssa-309571.pdf</a> | CONFIRM | <a href="https://cert-portal.siemens.com">cert-portal.siemens.com</a> |        |
| INTEL-SA-00463  | MISC    | <a href="https://www.intel.com">www.intel.com</a>                     |        |
| CVE Program record  | CVE.ORG | <a href="https://www.cve.org">www.cve.org</a>                         | canoni |
| NVD vulnerability detail  | NVD     | <a href="https://nvd.nist.gov">nvd.nist.gov</a>                       | canoni |

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

[590761](#) Siemens Industrial Products Intel CPUs (Update B) Multiple Vulnerabilities (ICSA-21-222-05)

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