



CVE-2019-11184

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

Summary

CVE	CVE-2019-11184
State	PUBLIC
Assigner	secure@intel.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2019-09-16 16:15:00 UTC
Updated	2023-11-07 03:02:00 UTC
Description	A race condition in specific microprocessors using Intel (R) DDIO cache allocation and RDMA may allow an authenticated u

Risk And Classification

Problem Types: CWE-362

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Intel	3106	-	All	All	All
Hardware	Intel	3106	-	All	All	All
Operating System	Intel	3106 Firmware	-	All	All	All
Operating System	Intel	3106 Firmware	-	All	All	All
Hardware	Intel	4109t	-	All	All	All
Hardware	Intel	4109t	-	All	All	All
Operating System	Intel	4109t Firmware	-	All	All	All
Operating System	Intel	4109t Firmware	-	All	All	All
Hardware	Intel	4110	-	All	All	All
Hardware	Intel	4110	-	All	All	All
Operating System	Intel	4110 Firmware	-	All	All	All
Operating System	Intel	4110 Firmware	-	All	All	All
Hardware	Intel	4114t	-	All	All	All
Hardware	Intel	4114t	-	All	All	All
Operating System	Intel	4114t Firmware	-	All	All	All
Operating System	Intel	4114t Firmware	-	All	All	All
Hardware	Intel	4116	-	All	All	All

Hardware	Intel	4116	-	All	All	All
Hardware	Intel	4116t	-	All	All	All
Hardware	Intel	4116t	-	All	All	All
Operating System	Intel	4116t Firmware	-	All	All	All
Operating System	Intel	4116t Firmware	-	All	All	All
Operating System	Intel	4116 Firmware	-	All	All	All
Operating System	Intel	4116 Firmware	-	All	All	All
Hardware	Intel	5118	-	All	All	All
Hardware	Intel	5118	-	All	All	All
Operating System	Intel	5118 Firmware	-	All	All	All
Operating System	Intel	5118 Firmware	-	All	All	All
Hardware	Intel	5119t	-	All	All	All
Hardware	Intel	5119t	-	All	All	All
Operating System	Intel	5119t Firmware	-	All	All	All
Operating System	Intel	5119t Firmware	-	All	All	All
Hardware	Intel	5120t	-	All	All	All
Hardware	Intel	5120t	-	All	All	All
Operating System	Intel	5120t Firmware	-	All	All	All
Operating System	Intel	5120t Firmware	-	All	All	All
Hardware	Intel	6126	-	All	All	All
Hardware	Intel	6126	-	All	All	All
Hardware	Intel	6126t	-	All	All	All
Hardware	Intel	6126t	-	All	All	All
Operating System	Intel	6126t Firmware	-	All	All	All
Operating System	Intel	6126t Firmware	-	All	All	All
Operating System	Intel	6126 Firmware	-	All	All	All
Operating System	Intel	6126 Firmware	-	All	All	All
Hardware	Intel	6130	-	All	All	All
Hardware	Intel	6130	-	All	All	All
Hardware	Intel	6130t	-	All	All	All
Hardware	Intel	6130t	-	All	All	All
Operating System	Intel	6130t Firmware	-	All	All	All
Operating System	Intel	6130t Firmware	-	All	All	All
Operating System	Intel	6130 Firmware	-	All	All	All
Operating System	Intel	6130 Firmware	-	All	All	All

Hardware	Intel	6138	-	All	All	All
Hardware	Intel	6138	-	All	All	All
Operating System	Intel	6138 Firmware	-	All	All	All
Operating System	Intel	6138 Firmware	-	All	All	All
Hardware	Intel	E5-1620	2	All	All	All
Hardware	Intel	E5-1620	3	All	All	All
Hardware	Intel	E5-1620	4	All	All	All
Hardware	Intel	E5-1620	2	All	All	All
Hardware	Intel	E5-1620	3	All	All	All
Hardware	Intel	E5-1620	4	All	All	All
Operating System	Intel	E5-1620 Firmware	-	All	All	All
Operating System	Intel	E5-1620 Firmware	-	All	All	All
Hardware	Intel	E5-1630	3	All	All	All
Hardware	Intel	E5-1630	4	All	All	All
Hardware	Intel	E5-1630	3	All	All	All
Hardware	Intel	E5-1630	4	All	All	All
Operating System	Intel	E5-1630 Firmware	-	All	All	All
Operating System	Intel	E5-1630 Firmware	-	All	All	All
Hardware	Intel	E5-1650	2	All	All	All
Hardware	Intel	E5-1650	3	All	All	All
Hardware	Intel	E5-1650	4	All	All	All
Hardware	Intel	E5-1650	2	All	All	All
Hardware	Intel	E5-1650	3	All	All	All
Hardware	Intel	E5-1650	4	All	All	All
Operating System	Intel	E5-1650 Firmware	-	All	All	All
Operating System	Intel	E5-1650 Firmware	-	All	All	All
Hardware	Intel	E5-1660	2	All	All	All
Hardware	Intel	E5-1660	3	All	All	All
Hardware	Intel	E5-1660	4	All	All	All
Hardware	Intel	E5-1660	2	All	All	All
Hardware	Intel	E5-1660	3	All	All	All
Hardware	Intel	E5-1660	4	All	All	All
Operating System	Intel	E5-1660 Firmware	-	All	All	All
Operating System	Intel	E5-1660 Firmware	-	All	All	All
Hardware	Intel	E5-1680	3	All	All	All

Hardware	Intel	E5-1680	4	All	All	All
Hardware	Intel	E5-1680	3	All	All	All
Hardware	Intel	E5-1680	4	All	All	All
Operating System	Intel	E5-1680 Firmware	-	All	All	All
Operating System	Intel	E5-1680 Firmware	-	All	All	All
Hardware	Intel	E5-2403	2	All	All	All
Hardware	Intel	E5-2403	2	All	All	All
Operating System	Intel	E5-2403 Firmware	-	All	All	All
Operating System	Intel	E5-2403 Firmware	-	All	All	All
Hardware	Intel	E5-2407	2	All	All	All
Hardware	Intel	E5-2407	2	All	All	All
Operating System	Intel	E5-2407 Firmware	-	All	All	All
Operating System	Intel	E5-2407 Firmware	-	All	All	All
Hardware	Intel	E5-2420	2	All	All	All
Hardware	Intel	E5-2420	2	All	All	All
Operating System	Intel	E5-2420 Firmware	-	All	All	All
Operating System	Intel	E5-2420 Firmware	-	All	All	All
Hardware	Intel	E5-2430	2	All	All	All
Hardware	Intel	E5-2430	2	All	All	All
Hardware	Intel	E5-2430I	2	All	All	All
Hardware	Intel	E5-2430I	2	All	All	All
Operating System	Intel	E5-2430I Firmware	-	All	All	All
Operating System	Intel	E5-2430I Firmware	-	All	All	All
Operating System	Intel	E5-2430 Firmware	-	All	All	All
Operating System	Intel	E5-2430 Firmware	-	All	All	All
Hardware	Intel	E5-2440	2	All	All	All
Hardware	Intel	E5-2440	2	All	All	All
Operating System	Intel	E5-2440 Firmware	-	All	All	All
Operating System	Intel	E5-2440 Firmware	-	All	All	All
Hardware	Intel	E5-2450	2	All	All	All
Hardware	Intel	E5-2450	2	All	All	All
Hardware	Intel	E5-2450I	2	All	All	All
Hardware	Intel	E5-2450I	2	All	All	All
Operating System	Intel	E5-2450I Firmware	-	All	All	All
Operating System	Intel	E5-2450I Firmware	-	All	All	All
Operating System	Intel	E5-2450 Firmware	-	All	All	All

Operating System	Intel	E5-2450 Firmware	-	All	All	All
Hardware	Intel	E5-2470	2	All	All	All
Hardware	Intel	E5-2470	2	All	All	All
Operating System	Intel	E5-2470 Firmware	-	All	All	All
Operating System	Intel	E5-2470 Firmware	-	All	All	All
Hardware	Intel	E5-2603	2	All	All	All
Hardware	Intel	E5-2603	3	All	All	All
Hardware	Intel	E5-2603	4	All	All	All
Hardware	Intel	E5-2603	2	All	All	All
Hardware	Intel	E5-2603	3	All	All	All
Hardware	Intel	E5-2603	4	All	All	All
Operating System	Intel	E5-2603 Firmware	-	All	All	All
Operating System	Intel	E5-2603 Firmware	-	All	All	All
Hardware	Intel	E5-2608I	4	All	All	All
Hardware	Intel	E5-2608I	4	All	All	All
Operating System	Intel	E5-2608I Firmware	-	All	All	All
Operating System	Intel	E5-2608I Firmware	-	All	All	All
Hardware	Intel	E5-2609	2	All	All	All
Hardware	Intel	E5-2609	4	All	All	All
Hardware	Intel	E5-2609	2	All	All	All
Hardware	Intel	E5-2609	4	All	All	All
Operating System	Intel	E5-2609 Firmware	-	All	All	All
Operating System	Intel	E5-2609 Firmware	-	All	All	All
Hardware	Intel	E5-2618I	4	All	All	All
Hardware	Intel	E5-2618I	4	All	All	All
Operating System	Intel	E5-2618I Firmware	-	All	All	All
Operating System	Intel	E5-2618I Firmware	-	All	All	All
Hardware	Intel	E5-2620	2	All	All	All
Hardware	Intel	E5-2620	3	All	All	All
Hardware	Intel	E5-2620	4	All	All	All
Hardware	Intel	E5-2620	2	All	All	All
Hardware	Intel	E5-2620	3	All	All	All
Hardware	Intel	E5-2620	4	All	All	All
Operating System	Intel	E5-2620 Firmware	-	All	All	All
Operating System	Intel	E5-2620 Firmware	-	All	All	All

Hardware	Intel	E5-2623	3	All	All	All
Hardware	Intel	E5-2623	4	All	All	All
Hardware	Intel	E5-2623	3	All	All	All
Hardware	Intel	E5-2623	4	All	All	All
Operating System	Intel	E5-2623 Firmware	-	All	All	All
Operating System	Intel	E5-2623 Firmware	-	All	All	All
Hardware	Intel	E5-2628l	4	All	All	All
Hardware	Intel	E5-2628l	4	All	All	All
Operating System	Intel	E5-2628l Firmware	-	All	All	All
Operating System	Intel	E5-2628l Firmware	-	All	All	All
Hardware	Intel	E5-2630	2	All	All	All
Hardware	Intel	E5-2630	3	All	All	All
Hardware	Intel	E5-2630	4	All	All	All
Hardware	Intel	E5-2630	2	All	All	All
Hardware	Intel	E5-2630	3	All	All	All
Hardware	Intel	E5-2630	4	All	All	All
Hardware	Intel	E5-2630l	2	All	All	All
Hardware	Intel	E5-2630l	3	All	All	All
Hardware	Intel	E5-2630l	4	All	All	All
Hardware	Intel	E5-2630l	2	All	All	All
Hardware	Intel	E5-2630l	3	All	All	All
Hardware	Intel	E5-2630l	4	All	All	All
Operating System	Intel	E5-2630l Firmware	-	All	All	All
Operating System	Intel	E5-2630l Firmware	-	All	All	All
Operating System	Intel	E5-2630 Firmware	-	All	All	All
Operating System	Intel	E5-2630 Firmware	-	All	All	All
Hardware	Intel	E5-2637	2	All	All	All
Hardware	Intel	E5-2637	3	All	All	All
Hardware	Intel	E5-2637	4	All	All	All
Hardware	Intel	E5-2637	2	All	All	All
Hardware	Intel	E5-2637	3	All	All	All
Hardware	Intel	E5-2637	4	All	All	All
Operating System	Intel	E5-2637 Firmware	-	All	All	All
Operating System	Intel	E5-2637 Firmware	-	All	All	All
Hardware	Intel	E5-2640	2	All	All	All
Hardware	Intel	E5-2640	3	All	All	All

Hardware	Intel	E5-2640	3	All	All	All
Hardware	Intel	E5-2640	4	All	All	All
Hardware	Intel	E5-2640	2	All	All	All
Hardware	Intel	E5-2640	3	All	All	All
Hardware	Intel	E5-2640	4	All	All	All
Operating System	Intel	E5-2640 Firmware	-	All	All	All
Operating System	Intel	E5-2640 Firmware	-	All	All	All
Hardware	Intel	E5-2643	2	All	All	All
Hardware	Intel	E5-2643	3	All	All	All
Hardware	Intel	E5-2643	4	All	All	All
Hardware	Intel	E5-2643	2	All	All	All
Hardware	Intel	E5-2643	3	All	All	All
Hardware	Intel	E5-2643	4	All	All	All
Operating System	Intel	E5-2643 Firmware	-	All	All	All
Operating System	Intel	E5-2643 Firmware	-	All	All	All
Hardware	Intel	E5-2648l	4	All	All	All
Hardware	Intel	E5-2648l	4	All	All	All
Operating System	Intel	E5-2648l Firmware	-	All	All	All
Operating System	Intel	E5-2648l Firmware	-	All	All	All
Hardware	Intel	E5-2650	2	All	All	All
Hardware	Intel	E5-2650	3	All	All	All
Hardware	Intel	E5-2650	4	All	All	All
Hardware	Intel	E5-2650	2	All	All	All
Hardware	Intel	E5-2650	3	All	All	All
Hardware	Intel	E5-2650	4	All	All	All
Hardware	Intel	E5-2650l	2	All	All	All
Hardware	Intel	E5-2650l	3	All	All	All
Hardware	Intel	E5-2650l	4	All	All	All
Hardware	Intel	E5-2650l	2	All	All	All
Hardware	Intel	E5-2650l	3	All	All	All
Hardware	Intel	E5-2650l	4	All	All	All
Operating System	Intel	E5-2650l Firmware	-	All	All	All
Operating System	Intel	E5-2650l Firmware	-	All	All	All
Operating System	Intel	E5-2650 Firmware	-	All	All	All
Operating System	Intel	E5-2650 Firmware	-	All	All	All
Hardware	Intel	E5-2658	4	All	All	All

Hardware	Intel	E5-2658	4	All	All	All
Operating System	Intel	E5-2658 Firmware	-	All	All	All
Operating System	Intel	E5-2658 Firmware	-	All	All	All
Hardware	Intel	E5-2660	2	All	All	All
Hardware	Intel	E5-2660	3	All	All	All
Hardware	Intel	E5-2660	4	All	All	All
Hardware	Intel	E5-2660	2	All	All	All
Hardware	Intel	E5-2660	3	All	All	All
Hardware	Intel	E5-2660	4	All	All	All
Operating System	Intel	E5-2660 Firmware	-	All	All	All
Operating System	Intel	E5-2660 Firmware	-	All	All	All
Hardware	Intel	E5-2667	2	All	All	All
Hardware	Intel	E5-2667	3	All	All	All
Hardware	Intel	E5-2667	4	All	All	All
Hardware	Intel	E5-2667	2	All	All	All
Hardware	Intel	E5-2667	3	All	All	All
Hardware	Intel	E5-2667	4	All	All	All
Operating System	Intel	E5-2667 Firmware	-	All	All	All
Operating System	Intel	E5-2667 Firmware	-	All	All	All
Hardware	Intel	E5-2670	2	All	All	All
Hardware	Intel	E5-2670	3	All	All	All
Hardware	Intel	E5-2670	2	All	All	All
Hardware	Intel	E5-2670	3	All	All	All
Operating System	Intel	E5-2670 Firmware	-	All	All	All
Operating System	Intel	E5-2670 Firmware	-	All	All	All
Hardware	Intel	E5-2680	2	All	All	All
Hardware	Intel	E5-2680	3	All	All	All
Hardware	Intel	E5-2680	4	All	All	All
Hardware	Intel	E5-2680	2	All	All	All
Hardware	Intel	E5-2680	3	All	All	All
Hardware	Intel	E5-2680	4	All	All	All
Operating System	Intel	E5-2680 Firmware	-	All	All	All
Operating System	Intel	E5-2680 Firmware	-	All	All	All
Hardware	Intel	E5-2683	3	All	All	All
Hardware	Intel	E5-2683	4	All	All	All

Hardware	Intel	E5-2683	3	All	All	All
Hardware	Intel	E5-2683	4	All	All	All
Operating System	Intel	E5-2683 Firmware	-	All	All	All
Operating System	Intel	E5-2683 Firmware	-	All	All	All
Hardware	Intel	E5-2687w	2	All	All	All
Hardware	Intel	E5-2687w	3	All	All	All
Hardware	Intel	E5-2687w	4	All	All	All
Hardware	Intel	E5-2687w	2	All	All	All
Hardware	Intel	E5-2687w	3	All	All	All
Hardware	Intel	E5-2687w	4	All	All	All
Operating System	Intel	E5-2687w Firmware	-	All	All	All
Operating System	Intel	E5-2687w Firmware	-	All	All	All
Hardware	Intel	E5-2690	2	All	All	All
Hardware	Intel	E5-2690	3	All	All	All
Hardware	Intel	E5-2690	4	All	All	All
Hardware	Intel	E5-2690	2	All	All	All
Hardware	Intel	E5-2690	3	All	All	All
Hardware	Intel	E5-2690	4	All	All	All
Operating System	Intel	E5-2690 Firmware	-	All	All	All
Operating System	Intel	E5-2690 Firmware	-	All	All	All
Hardware	Intel	E5-2695	2	All	All	All
Hardware	Intel	E5-2695	3	All	All	All
Hardware	Intel	E5-2695	4	All	All	All
Hardware	Intel	E5-2695	2	All	All	All
Hardware	Intel	E5-2695	3	All	All	All
Hardware	Intel	E5-2695	4	All	All	All
Operating System	Intel	E5-2695 Firmware	-	All	All	All
Operating System	Intel	E5-2695 Firmware	-	All	All	All
Hardware	Intel	E5-2697	2	All	All	All
Hardware	Intel	E5-2697	3	All	All	All
Hardware	Intel	E5-2697	4	All	All	All
Hardware	Intel	E5-2697	2	All	All	All
Hardware	Intel	E5-2697	3	All	All	All
Hardware	Intel	E5-2697	4	All	All	All
Hardware	Intel	E5-2697a	4	All	All	All
Hardware	Intel	E5-2697a	4	All	All	All

Hardware	Intel	E5-2697a	4	All	All	All
Operating System	Intel	E5-2697a Firmware	-	All	All	All
Operating System	Intel	E5-2697a Firmware	-	All	All	All
Operating System	Intel	E5-2697 Firmware	-	All	All	All
Operating System	Intel	E5-2697 Firmware	-	All	All	All
Hardware	Intel	E5-2698	3	All	All	All
Hardware	Intel	E5-2698	4	All	All	All
Hardware	Intel	E5-2698	3	All	All	All
Hardware	Intel	E5-2698	4	All	All	All
Operating System	Intel	E5-2698 Firmware	-	All	All	All
Operating System	Intel	E5-2698 Firmware	-	All	All	All
Hardware	Intel	E5-2699	3	All	All	All
Hardware	Intel	E5-2699	4	All	All	All
Hardware	Intel	E5-2699	3	All	All	All
Hardware	Intel	E5-2699	4	All	All	All
Hardware	Intel	E5-2699a	4	All	All	All
Hardware	Intel	E5-2699a	4	All	All	All
Operating System	Intel	E5-2699a Firmware	-	All	All	All
Operating System	Intel	E5-2699a Firmware	-	All	All	All
Operating System	Intel	E5-2699 Firmware	-	All	All	All
Operating System	Intel	E5-2699 Firmware	-	All	All	All
Hardware	Intel	E5-4603	2	All	All	All
Hardware	Intel	E5-4603	2	All	All	All
Operating System	Intel	E5-4603 Firmware	-	All	All	All
Operating System	Intel	E5-4603 Firmware	-	All	All	All
Hardware	Intel	E5-4607	2	All	All	All
Hardware	Intel	E5-4607	2	All	All	All
Operating System	Intel	E5-4607 Firmware	-	All	All	All
Operating System	Intel	E5-4607 Firmware	-	All	All	All
Hardware	Intel	E5-4610	2	All	All	All
Hardware	Intel	E5-4610	3	All	All	All
Hardware	Intel	E5-4610	4	All	All	All
Hardware	Intel	E5-4610	2	All	All	All
Hardware	Intel	E5-4610	3	All	All	All
Hardware	Intel	E5-4610	4	All	All	All
Operating System	Intel	E5-4610 Firmware	-	All	All	All

Operating System	Intel	E5-4610 Firmware	-	All	All	All
Hardware	Intel	E5-4620	2	All	All	All
Hardware	Intel	E5-4620	3	All	All	All
Hardware	Intel	E5-4620	4	All	All	All
Hardware	Intel	E5-4620	2	All	All	All
Hardware	Intel	E5-4620	3	All	All	All
Hardware	Intel	E5-4620	4	All	All	All
Operating System	Intel	E5-4620 Firmware	-	All	All	All
Operating System	Intel	E5-4620 Firmware	-	All	All	All
Hardware	Intel	E5-4627	2	All	All	All
Hardware	Intel	E5-4627	3	All	All	All
Hardware	Intel	E5-4627	4	All	All	All
Hardware	Intel	E5-4627	2	All	All	All
Hardware	Intel	E5-4627	3	All	All	All
Hardware	Intel	E5-4627	4	All	All	All
Operating System	Intel	E5-4627 Firmware	-	All	All	All
Operating System	Intel	E5-4627 Firmware	-	All	All	All
Hardware	Intel	E5-4628I	4	All	All	All
Hardware	Intel	E5-4628I	4	All	All	All
Operating System	Intel	E5-4628I Firmware	-	All	All	All
Operating System	Intel	E5-4628I Firmware	-	All	All	All
Hardware	Intel	E5-4640	2	All	All	All
Hardware	Intel	E5-4640	3	All	All	All
Hardware	Intel	E5-4640	4	All	All	All
Hardware	Intel	E5-4640	2	All	All	All
Hardware	Intel	E5-4640	3	All	All	All
Hardware	Intel	E5-4640	4	All	All	All
Operating System	Intel	E5-4640 Firmware	-	All	All	All
Operating System	Intel	E5-4640 Firmware	-	All	All	All
Hardware	Intel	E5-4650	2	All	All	All
Hardware	Intel	E5-4650	3	All	All	All
Hardware	Intel	E5-4650	4	All	All	All
Hardware	Intel	E5-4650	2	All	All	All
Hardware	Intel	E5-4650	3	All	All	All
Hardware	Intel	E5-4650	4	All	All	All

Operating System	Intel	E5-4650 Firmware	-	All	All	All
Operating System	Intel	E5-4650 Firmware	-	All	All	All
Hardware	Intel	E5-4655	3	All	All	All
Hardware	Intel	E5-4655	4	All	All	All
Hardware	Intel	E5-4655	3	All	All	All
Hardware	Intel	E5-4655	4	All	All	All
Operating System	Intel	E5-4655 Firmware	-	All	All	All
Operating System	Intel	E5-4655 Firmware	-	All	All	All
Hardware	Intel	E5-4657I	2	All	All	All
Hardware	Intel	E5-4657I	2	All	All	All
Operating System	Intel	E5-4657I Firmware	-	All	All	All
Operating System	Intel	E5-4657I Firmware	-	All	All	All
Hardware	Intel	E5-4660	3	All	All	All
Hardware	Intel	E5-4660	4	All	All	All
Hardware	Intel	E5-4660	3	All	All	All
Hardware	Intel	E5-4660	4	All	All	All
Operating System	Intel	E5-4660 Firmware	-	All	All	All
Operating System	Intel	E5-4660 Firmware	-	All	All	All
Hardware	Intel	E5-4667	3	All	All	All
Hardware	Intel	E5-4667	4	All	All	All
Hardware	Intel	E5-4667	3	All	All	All
Hardware	Intel	E5-4667	4	All	All	All
Operating System	Intel	E5-4667 Firmware	-	All	All	All
Operating System	Intel	E5-4667 Firmware	-	All	All	All
Hardware	Intel	E5-4669	3	All	All	All
Hardware	Intel	E5-4669	4	All	All	All
Hardware	Intel	E5-4669	3	All	All	All
Hardware	Intel	E5-4669	4	All	All	All
Operating System	Intel	E5-4669 Firmware	-	All	All	All
Operating System	Intel	E5-4669 Firmware	-	All	All	All
Hardware	Intel	E7-2850	2	All	All	All
Hardware	Intel	E7-2850	2	All	All	All
Operating System	Intel	E7-2850 Firmware	-	All	All	All
Operating System	Intel	E7-2850 Firmware	-	All	All	All
Hardware	Intel	E7-2870	2	All	All	All
Hardware	Intel	E7-2870	2	All	All	All

Hardware	Intel	E7-2870	-	All	All	All
Operating System	Intel	E7-2870 Firmware	-	All	All	All
Operating System	Intel	E7-2870 Firmware	-	All	All	All
Hardware	Intel	E7-2880	2	All	All	All
Hardware	Intel	E7-2880	2	All	All	All
Operating System	Intel	E7-2880 Firmware	-	All	All	All
Operating System	Intel	E7-2880 Firmware	-	All	All	All
Hardware	Intel	E7-2890	2	All	All	All
Hardware	Intel	E7-2890	2	All	All	All
Operating System	Intel	E7-2890 Firmware	-	All	All	All
Operating System	Intel	E7-2890 Firmware	-	All	All	All
Hardware	Intel	E7-4809	2	All	All	All
Hardware	Intel	E7-4809	2	All	All	All
Operating System	Intel	E7-4809 Firmware	-	All	All	All
Operating System	Intel	E7-4809 Firmware	-	All	All	All
Hardware	Intel	E7-4820	2	All	All	All
Hardware	Intel	E7-4820	2	All	All	All
Operating System	Intel	E7-4820 Firmware	-	All	All	All
Operating System	Intel	E7-4820 Firmware	-	All	All	All
Hardware	Intel	E7-4830	2	All	All	All
Hardware	Intel	E7-4830	2	All	All	All
Operating System	Intel	E7-4830 Firmware	-	All	All	All
Operating System	Intel	E7-4830 Firmware	-	All	All	All
Hardware	Intel	E7-4850	2	All	All	All
Hardware	Intel	E7-4850	2	All	All	All
Operating System	Intel	E7-4850 Firmware	-	All	All	All
Operating System	Intel	E7-4850 Firmware	-	All	All	All
Hardware	Intel	E7-4860	2	All	All	All
Hardware	Intel	E7-4860	2	All	All	All
Operating System	Intel	E7-4860 Firmware	-	All	All	All
Operating System	Intel	E7-4860 Firmware	-	All	All	All
Hardware	Intel	E7-4870	2	All	All	All
Hardware	Intel	E7-4870	2	All	All	All
Operating System	Intel	E7-4870 Firmware	-	All	All	All
Operating System	Intel	E7-4870 Firmware	-	All	All	All
Hardware	Intel	E7-4880	2	All	All	All

Hardware	Intel	E7-4880	2	All	All	All
Operating System	Intel	E7-4880 Firmware	-	All	All	All
Operating System	Intel	E7-4880 Firmware	-	All	All	All
Hardware	Intel	E7-4890	2	All	All	All
Hardware	Intel	E7-4890	2	All	All	All
Operating System	Intel	E7-4890 Firmware	-	All	All	All
Operating System	Intel	E7-4890 Firmware	-	All	All	All
Hardware	Intel	E7-8850	2	All	All	All
Hardware	Intel	E7-8850	2	All	All	All
Operating System	Intel	E7-8850 Firmware	-	All	All	All
Operating System	Intel	E7-8850 Firmware	-	All	All	All
Hardware	Intel	E7-8857	2	All	All	All
Hardware	Intel	E7-8857	2	All	All	All
Operating System	Intel	E7-8857 Firmware	-	All	All	All
Operating System	Intel	E7-8857 Firmware	-	All	All	All
Hardware	Intel	E7-8870	2	All	All	All
Hardware	Intel	E7-8870	2	All	All	All
Operating System	Intel	E7-8870 Firmware	-	All	All	All
Operating System	Intel	E7-8870 Firmware	-	All	All	All
Hardware	Intel	E7-8880	2	All	All	All
Hardware	Intel	E7-8880	2	All	All	All
Hardware	Intel	E7-8880I	2	All	All	All
Hardware	Intel	E7-8880I	2	All	All	All
Operating System	Intel	E7-8880I Firmware	-	All	All	All
Operating System	Intel	E7-8880I Firmware	-	All	All	All
Operating System	Intel	E7-8880 Firmware	-	All	All	All
Operating System	Intel	E7-8880 Firmware	-	All	All	All
Hardware	Intel	E7-8890	2	All	All	All
Hardware	Intel	E7-8890	2	All	All	All
Operating System	Intel	E7-8890 Firmware	-	All	All	All
Operating System	Intel	E7-8890 Firmware	-	All	All	All
Hardware	Intel	E7-8891	2	All	All	All
Hardware	Intel	E7-8891	2	All	All	All
Operating System	Intel	E7-8891 Firmware	-	All	All	All
Operating System	Intel	E7-8891 Firmware	-	All	All	All

Hardware	Intel	E7-8893	2	All	All	All
Hardware	Intel	E7-8893	2	All	All	All
Operating System	Intel	E7-8893 Firmware	-	All	All	All
Operating System	Intel	E7-8893 Firmware	-	All	All	All
Hardware	Intel	E7-8895	2	All	All	All
Hardware	Intel	E7-8895	2	All	All	All
Operating System	Intel	E7-8895 Firmware	-	All	All	All
Operating System	Intel	E7-8895 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-1428l	-	All	All	All
Operating System	Intel	Xeon E5-1428l Firmware	-	All	All	All
Hardware	Intel	Xeon E5-1428l V2	-	All	All	All
Operating System	Intel	Xeon E5-1428l V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-1428l V3	-	All	All	All
Operating System	Intel	Xeon E5-1428l V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-1620	-	All	All	All
Operating System	Intel	Xeon E5-1620 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-1620 V2	-	All	All	All
Operating System	Intel	Xeon E5-1620 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-1620 V3	-	All	All	All
Operating System	Intel	Xeon E5-1620 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-1620 V4	-	All	All	All
Operating System	Intel	Xeon E5-1620 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-1630 V3	-	All	All	All
Operating System	Intel	Xeon E5-1630 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-1630 V4	-	All	All	All
Operating System	Intel	Xeon E5-1630 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-1650	-	All	All	All
Operating System	Intel	Xeon E5-1650 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-1650 V2	-	All	All	All
Operating System	Intel	Xeon E5-1650 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-1650 V3	-	All	All	All
Operating System	Intel	Xeon E5-1650 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-1650 V4	-	All	All	All
Operating System	Intel	Xeon E5-1650 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-1660	-	All	All	All
Operating System	Intel	Xeon E5-1660 Firmware	-	All	All	All

Operating System	Intel	Xeon E5-1660 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-1660 V2	-	All	All	All
Operating System	Intel	Xeon E5-1660 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-1660 V3	-	All	All	All
Operating System	Intel	Xeon E5-1660 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-1660 V4	-	All	All	All
Operating System	Intel	Xeon E5-1660 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-1680 V3	-	All	All	All
Operating System	Intel	Xeon E5-1680 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-1680 V4	-	All	All	All
Operating System	Intel	Xeon E5-1680 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2403	-	All	All	All
Operating System	Intel	Xeon E5-2403 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2403 V2	-	All	All	All
Operating System	Intel	Xeon E5-2403 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2407	-	All	All	All
Operating System	Intel	Xeon E5-2407 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2407 V2	-	All	All	All
Operating System	Intel	Xeon E5-2407 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2408I V3	-	All	All	All
Operating System	Intel	Xeon E5-2408I V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2418I	-	All	All	All
Operating System	Intel	Xeon E5-2418I Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2418I V2	-	All	All	All
Operating System	Intel	Xeon E5-2418I V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2418I V3	-	All	All	All
Operating System	Intel	Xeon E5-2418I V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2420	-	All	All	All
Operating System	Intel	Xeon E5-2420 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2420 V2	-	All	All	All
Operating System	Intel	Xeon E5-2420 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2428I	-	All	All	All
Operating System	Intel	Xeon E5-2428I Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2428I V2	-	All	All	All
Operating System	Intel	Xeon E5-2428I V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2428I V3	-	All	All	All

Operating System	Intel	Xeon E5-2428I V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2430	-	All	All	All
Hardware	Intel	Xeon E5-2430I	-	All	All	All
Operating System	Intel	Xeon E5-2430I Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2430I V2	-	All	All	All
Operating System	Intel	Xeon E5-2430I V2 Firmware	-	All	All	All
Operating System	Intel	Xeon E5-2430 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2430 V2	-	All	All	All
Operating System	Intel	Xeon E5-2430 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2438I V3	-	All	All	All
Operating System	Intel	Xeon E5-2438I V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2440	-	All	All	All
Operating System	Intel	Xeon E5-2440 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2440 V2	-	All	All	All
Operating System	Intel	Xeon E5-2440 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2448I	-	All	All	All
Operating System	Intel	Xeon E5-2448I Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2448I V2	-	All	All	All
Operating System	Intel	Xeon E5-2448I V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2450	-	All	All	All
Hardware	Intel	Xeon E5-2450I	-	All	All	All
Operating System	Intel	Xeon E5-2450I Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2450I V2	-	All	All	All
Operating System	Intel	Xeon E5-2450I V2 Firmware	-	All	All	All
Operating System	Intel	Xeon E5-2450 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2450 V2	-	All	All	All
Operating System	Intel	Xeon E5-2450 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2470	-	All	All	All
Operating System	Intel	Xeon E5-2470 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2470 V2	-	All	All	All
Operating System	Intel	Xeon E5-2470 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2603	-	All	All	All
Operating System	Intel	Xeon E5-2603 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2603 V2	-	All	All	All
Operating System	Intel	Xeon E5-2603 V2 Firmware	-	All	All	All

Hardware	Intel	Xeon E5-2603 V3	-	All	All	All
Operating System	Intel	Xeon E5-2603 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2603 V4	-	All	All	All
Operating System	Intel	Xeon E5-2603 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2608I V3	-	All	All	All
Operating System	Intel	Xeon E5-2608I V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2608I V4	-	All	All	All
Operating System	Intel	Xeon E5-2608I V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2609	-	All	All	All
Operating System	Intel	Xeon E5-2609 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2609 V2	-	All	All	All
Operating System	Intel	Xeon E5-2609 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2609 V3	-	All	All	All
Operating System	Intel	Xeon E5-2609 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2609 V4	-	All	All	All
Operating System	Intel	Xeon E5-2609 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2618I V2	-	All	All	All
Operating System	Intel	Xeon E5-2618I V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2618I V3	-	All	All	All
Operating System	Intel	Xeon E5-2618I V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2618I V4	-	All	All	All
Operating System	Intel	Xeon E5-2618I V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2620	-	All	All	All
Operating System	Intel	Xeon E5-2620 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2620 V2	-	All	All	All
Operating System	Intel	Xeon E5-2620 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2620 V3	-	All	All	All
Operating System	Intel	Xeon E5-2620 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2620 V4	-	All	All	All
Operating System	Intel	Xeon E5-2620 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2623 V3	-	All	All	All
Operating System	Intel	Xeon E5-2623 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2623 V4	-	All	All	All
Operating System	Intel	Xeon E5-2623 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2628I V2	-	All	All	All
Operating System	Intel	Xeon E5-2628I V2 Firmware	-	All	All	All

Hardware	Intel	Xeon E5-2628L V3	-	All	All	All
Operating System	Intel	Xeon E5-2628L V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2628L V4	-	All	All	All
Operating System	Intel	Xeon E5-2628L V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2630	-	All	All	All
Hardware	Intel	Xeon E5-2630L	-	All	All	All
Operating System	Intel	Xeon E5-2630L Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2630L V2	-	All	All	All
Operating System	Intel	Xeon E5-2630L V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2630L V3	-	All	All	All
Operating System	Intel	Xeon E5-2630L V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2630L V4	-	All	All	All
Operating System	Intel	Xeon E5-2630L V4 Firmware	-	All	All	All
Operating System	Intel	Xeon E5-2630 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2630 V2	-	All	All	All
Operating System	Intel	Xeon E5-2630 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2630 V3	-	All	All	All
Operating System	Intel	Xeon E5-2630 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2630 V4	-	All	All	All
Operating System	Intel	Xeon E5-2630 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2637	-	All	All	All
Operating System	Intel	Xeon E5-2637 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2637 V2	-	All	All	All
Operating System	Intel	Xeon E5-2637 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2637 V3	-	All	All	All
Operating System	Intel	Xeon E5-2637 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2637 V4	-	All	All	All
Operating System	Intel	Xeon E5-2637 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2640	-	All	All	All
Operating System	Intel	Xeon E5-2640 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2640 V2	-	All	All	All
Operating System	Intel	Xeon E5-2640 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2640 V3	-	All	All	All
Operating System	Intel	Xeon E5-2640 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2640 V4	-	All	All	All

Operating System	Intel	Xeon E5-2640 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2643	-	All	All	All
Operating System	Intel	Xeon E5-2643 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2643 V2	-	All	All	All
Operating System	Intel	Xeon E5-2643 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2643 V3	-	All	All	All
Operating System	Intel	Xeon E5-2643 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2643 V4	-	All	All	All
Operating System	Intel	Xeon E5-2643 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2648I	-	All	All	All
Operating System	Intel	Xeon E5-2648I Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2648I V2	-	All	All	All
Operating System	Intel	Xeon E5-2648I V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2648I V3	-	All	All	All
Operating System	Intel	Xeon E5-2648I V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2648I V4	-	All	All	All
Operating System	Intel	Xeon E5-2648I V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2650	-	All	All	All
Hardware	Intel	Xeon E5-2650I	-	All	All	All
Operating System	Intel	Xeon E5-2650I Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2650I V2	-	All	All	All
Operating System	Intel	Xeon E5-2650I V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2650I V3	-	All	All	All
Operating System	Intel	Xeon E5-2650I V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2650I V4	-	All	All	All
Operating System	Intel	Xeon E5-2650I V4 Firmware	-	All	All	All
Operating System	Intel	Xeon E5-2650 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2650 V2	-	All	All	All
Operating System	Intel	Xeon E5-2650 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2650 V3	-	All	All	All
Operating System	Intel	Xeon E5-2650 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2650 V4	-	All	All	All
Operating System	Intel	Xeon E5-2650 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2658	-	All	All	All
Hardware	Intel	Xeon E5-2658a V3	-	All	All	All

Operating System	Intel	Xeon E5-2658a V3 Firmware	-	All	All	All
Operating System	Intel	Xeon E5-2658 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2658 V2	-	All	All	All
Operating System	Intel	Xeon E5-2658 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2658 V3	-	All	All	All
Operating System	Intel	Xeon E5-2658 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2658 V4	-	All	All	All
Operating System	Intel	Xeon E5-2658 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2660	-	All	All	All
Operating System	Intel	Xeon E5-2660 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2660 V2	-	All	All	All
Operating System	Intel	Xeon E5-2660 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2660 V3	-	All	All	All
Operating System	Intel	Xeon E5-2660 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2660 V4	-	All	All	All
Operating System	Intel	Xeon E5-2660 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2665	-	All	All	All
Operating System	Intel	Xeon E5-2665 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2667	-	All	All	All
Operating System	Intel	Xeon E5-2667 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2667 V2	-	All	All	All
Operating System	Intel	Xeon E5-2667 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2667 V3	-	All	All	All
Operating System	Intel	Xeon E5-2667 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2667 V4	-	All	All	All
Operating System	Intel	Xeon E5-2667 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2670	-	All	All	All
Operating System	Intel	Xeon E5-2670 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2670 V2	-	All	All	All
Operating System	Intel	Xeon E5-2670 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2670 V3	-	All	All	All
Operating System	Intel	Xeon E5-2670 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2680	-	All	All	All
Operating System	Intel	Xeon E5-2680 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2680 V2	-	All	All	All
Operating System	Intel	Xeon E5-2680 V2 Firmware	-	All	All	All

Hardware	Intel	Xeon E5-2680 V3	-	All	All	All
Operating System	Intel	Xeon E5-2680 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2680 V4	-	All	All	All
Operating System	Intel	Xeon E5-2680 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2683 V3	-	All	All	All
Operating System	Intel	Xeon E5-2683 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2683 V4	-	All	All	All
Operating System	Intel	Xeon E5-2683 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2687w	-	All	All	All
Operating System	Intel	Xeon E5-2687w Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2687w V2	-	All	All	All
Operating System	Intel	Xeon E5-2687w V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2687w V3	-	All	All	All
Operating System	Intel	Xeon E5-2687w V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2687w V4	-	All	All	All
Operating System	Intel	Xeon E5-2687w V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2690	-	All	All	All
Operating System	Intel	Xeon E5-2690 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2690 V2	-	All	All	All
Operating System	Intel	Xeon E5-2690 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2690 V3	-	All	All	All
Operating System	Intel	Xeon E5-2690 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2690 V4	-	All	All	All
Operating System	Intel	Xeon E5-2690 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2695 V2	-	All	All	All
Operating System	Intel	Xeon E5-2695 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2695 V3	-	All	All	All
Operating System	Intel	Xeon E5-2695 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2695 V4	-	All	All	All
Operating System	Intel	Xeon E5-2695 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2697a V4	-	All	All	All
Operating System	Intel	Xeon E5-2697a V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2697 V2	-	All	All	All
Operating System	Intel	Xeon E5-2697 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-2697 V3	-	All	All	All

Hardware	Intel	Xeon E5-4620 V2	-	All	All	All
Operating System	Intel	Xeon E5-4620 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-4620 V3	-	All	All	All
Operating System	Intel	Xeon E5-4620 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-4620 V4	-	All	All	All
Operating System	Intel	Xeon E5-4620 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-4624I V2	-	All	All	All
Operating System	Intel	Xeon E5-4624I V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-4627 V2	-	All	All	All
Operating System	Intel	Xeon E5-4627 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-4627 V3	-	All	All	All
Operating System	Intel	Xeon E5-4627 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-4627 V4	-	All	All	All
Operating System	Intel	Xeon E5-4627 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-4628I V4	-	All	All	All
Operating System	Intel	Xeon E5-4628I V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-4640	-	All	All	All
Operating System	Intel	Xeon E5-4640 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-4640 V2	-	All	All	All
Operating System	Intel	Xeon E5-4640 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-4640 V3	-	All	All	All
Operating System	Intel	Xeon E5-4640 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-4640 V4	-	All	All	All
Operating System	Intel	Xeon E5-4640 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-4648 V3	-	All	All	All
Operating System	Intel	Xeon E5-4648 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-4650	-	All	All	All
Hardware	Intel	Xeon E5-4650I	-	All	All	All
Operating System	Intel	Xeon E5-4650I Firmware	-	All	All	All
Operating System	Intel	Xeon E5-4650 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-4650 V2	-	All	All	All
Operating System	Intel	Xeon E5-4650 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-4650 V3	-	All	All	All
Operating System	Intel	Xeon E5-4650 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-4650 V4	-	All	All	All
Operating System	Intel	Xeon E5-4650 V4 Firmware	-	All	All	All

Hardware	Intel	Xeon E5-4655 V3	-	All	All	All
Operating System	Intel	Xeon E5-4655 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-4655 V4	-	All	All	All
Operating System	Intel	Xeon E5-4655 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-4657I V2	-	All	All	All
Operating System	Intel	Xeon E5-4657I V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-4660 V3	-	All	All	All
Operating System	Intel	Xeon E5-4660 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-4660 V4	-	All	All	All
Operating System	Intel	Xeon E5-4660 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-4667 V3	-	All	All	All
Operating System	Intel	Xeon E5-4667 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-4667 V4	-	All	All	All
Operating System	Intel	Xeon E5-4667 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-4669 V3	-	All	All	All
Operating System	Intel	Xeon E5-4669 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E5-4669 V4	-	All	All	All
Operating System	Intel	Xeon E5-4669 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-2850 V2	-	All	All	All
Operating System	Intel	Xeon E7-2850 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-2870 V2	-	All	All	All
Operating System	Intel	Xeon E7-2870 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-2880 V2	-	All	All	All
Operating System	Intel	Xeon E7-2880 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-2890 V2	-	All	All	All
Operating System	Intel	Xeon E7-2890 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-4809 V2	-	All	All	All
Operating System	Intel	Xeon E7-4809 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-4809 V3	-	All	All	All
Operating System	Intel	Xeon E7-4809 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-4809 V4	-	All	All	All
Operating System	Intel	Xeon E7-4809 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-4820 V2	-	All	All	All
Operating System	Intel	Xeon E7-4820 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-4820 V3	-	All	All	All

Operating System	Intel	Xeon E7-4820 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-4820 V4	-	All	All	All
Operating System	Intel	Xeon E7-4820 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-4830 V2	-	All	All	All
Operating System	Intel	Xeon E7-4830 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-4830 V3	-	All	All	All
Operating System	Intel	Xeon E7-4830 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-4830 V4	-	All	All	All
Operating System	Intel	Xeon E7-4830 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-4850 V2	-	All	All	All
Operating System	Intel	Xeon E7-4850 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-4850 V3	-	All	All	All
Operating System	Intel	Xeon E7-4850 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-4850 V4	-	All	All	All
Operating System	Intel	Xeon E7-4850 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-4860 V2	-	All	All	All
Operating System	Intel	Xeon E7-4860 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-4870 V2	-	All	All	All
Operating System	Intel	Xeon E7-4870 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-4880 V2	-	All	All	All
Operating System	Intel	Xeon E7-4880 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-4890 V2	-	All	All	All
Operating System	Intel	Xeon E7-4890 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-8850 V2	-	All	All	All
Operating System	Intel	Xeon E7-8850 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-8857 V2	-	All	All	All
Operating System	Intel	Xeon E7-8857 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-8860 V3	-	All	All	All
Operating System	Intel	Xeon E7-8860 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-8860 V4	-	All	All	All
Operating System	Intel	Xeon E7-8860 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-8867 V3	-	All	All	All
Operating System	Intel	Xeon E7-8867 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-8867 V4	-	All	All	All
Operating System	Intel	Xeon E7-8867 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-8870 V2	-	All	All	All

Hardware	Intel	Xeon E7-8870 V2	-	All	All	All
Operating System	Intel	Xeon E7-8870 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-8870 V3	-	All	All	All
Operating System	Intel	Xeon E7-8870 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-8870 V4	-	All	All	All
Operating System	Intel	Xeon E7-8870 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-8880I V2	-	All	All	All
Operating System	Intel	Xeon E7-8880I V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-8880I V3	-	All	All	All
Operating System	Intel	Xeon E7-8880I V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-8880 V2	-	All	All	All
Operating System	Intel	Xeon E7-8880 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-8880 V3	-	All	All	All
Operating System	Intel	Xeon E7-8880 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-8880 V4	-	All	All	All
Operating System	Intel	Xeon E7-8880 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-8890 V2	-	All	All	All
Operating System	Intel	Xeon E7-8890 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-8890 V3	-	All	All	All
Operating System	Intel	Xeon E7-8890 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-8890 V4	-	All	All	All
Operating System	Intel	Xeon E7-8890 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-8891 V2	-	All	All	All
Operating System	Intel	Xeon E7-8891 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-8891 V3	-	All	All	All
Operating System	Intel	Xeon E7-8891 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-8891 V4	-	All	All	All
Operating System	Intel	Xeon E7-8891 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-8893 V2	-	All	All	All
Operating System	Intel	Xeon E7-8893 V2 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-8893 V3	-	All	All	All
Operating System	Intel	Xeon E7-8893 V3 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-8893 V4	-	All	All	All
Operating System	Intel	Xeon E7-8893 V4 Firmware	-	All	All	All
Hardware	Intel	Xeon E7-8894 V4	-	All	All	All
Operating System	Intel	Xeon E7-8894 V4 Firmware	-	All	All	All

Application	Netapp	Cloud Backup	-	All	All	All
Application	Netapp	Steelstore Cloud Integrated Storage	-	All	All	All

References

Reference	Source	Link	Tags
[1909.04841] Packet Chasing: Spying on Network Packets over a Cache Side-Channel	MISC	arxiv.org	Third P
myF5		support.f5.com	
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INTEL-SA-00290	CONFIRM	www.intel.com	Vendor
support.f5.com/csp/article/K43220413	CONFIRM	support.f5.com	
CVE Program record	CVE.ORG	www.cve.org	canoni
NVD vulnerability detail	NVD	nvd.nist.gov	canoni

No vendor comments have been submitted for this CVE.

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

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