

**INFORMATION TO BE PROVIDED BY MANUFACTURERS**

3.1 Servers

Product name : SX-Aurora TSUBASA A411-8

<b>a</b>	<b>product type</b>	HPC server		
<b>b</b>	<b>manufacturer's name, registered trade name and registered trade address at which they can be contacted;</b>	NEC 5-7-1,Shiba,Minato-ku,Tokyo,Japan		
<b>c</b>	<b>product model number</b>	VSA611		
		Low-end performance configuration	High-end performance configuration	
		VSA611	VSA611	
<b>d</b>	<b>year of manufacture</b>	2019		
<b>e</b>	<b>PSU efficiency</b>	<b>Power Supply Type</b>	Single output	Single output
		<b>PSU Efficiency at 10 % , 20 % , 50 % and 100 % of Loadings</b>	92.2%@10% 95.1%@20% 96.1%@50% 94.4%@100%	92.2%@10% 95.1%@20% 96.1%@50% 94.4%@100%
<b>f</b>	<b>PSU power factor at 50 % of the rated load level</b>	1.000@50%	1.000@50%	
<b>g</b>	<b>PSU rated power output (W)</b>	2000	2000	
<b>h</b>	<b>idle state power(W)</b>	655.5	663.6	
<b>i</b>	<b>list of all components for additional idle power allowances</b>	<b>additional PSU</b>	0	0
		<b>HDDs or SSDs</b>	1	1
		<b>additional memory</b>	124	508
		<b>additional buffered DDR channels</b>	0	0
		<b>additional I/O devices</b>	Model:MT27710 Family [ConnectX-4 Lx] Type:Ethernet Num. Ports : 2 Link Speed:50(Gbps)	Model:MT27710 Family [ConnectX-4 Lx] Type:Ethernet Num. Ports : 2 Link Speed:50(Gbps)
		Model:MT28908 Type:InfiniBand Num. Ports : 1 Link Speed:200(Gbps)	Model:MCX653105A-ECAT Type:InfiniBand Num. Ports : 1 Link Speed:100(Gbps)	
		Model:MT28908 Type:InfiniBand Num. Ports : 1 Link Speed:200(Gbps)	Model:MCX653105A-ECAT Type:InfiniBand Num. Ports : 1 Link Speed:100(Gbps)	
<b>j</b>	<b>maximum power(W)</b>	791.3	817.6	
<b>k</b>	<b>declared operating condition class</b>	A1	A1	
<b>l</b>	<b>idle state power (Watts) at the higher boundary temperature of the declared operating condition class</b>	688.3	696.8	
<b>m</b>	<b>the active state efficiency and the performance in active state of the server</b>	10.8	11.6	
<b>n</b>	<b>information on the secure data deletion functionality</b>	Linux Standard Command ( shred or dd)		
<b>o</b>	<b>for blade servers, a list of recommended combinations with compatible chassis</b>	-		
<b>p</b>	<b>a list of all model configurations</b>	<b>Processors</b>	AMD Rome 7402P	
		<b>Memory Type</b>	16GB 2Rx8 PC4-2933Y-R	
		<b>Storage</b>	NEC Corporation SSDSC2KG960G8 960.0 GB SATA SSD Integrated SATA Controller [AHCI mode] Drive Cache Disable	