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Qualified Platform List for NVIDIA vGPU – [View Here](#)

Qualified Platform List (X11 & H11) for NVIDIA Tesla / NVIDIA Quadro

Server Models	Description	V100	M60	M10	P100	P40	P4	T4 (70W)	GV100 / GP100	P5000	P6000	RTX 4000	RTX 5000	RTX 6000	RTX 8000
SBI-4119MG-X	2 GPU					✓x		✓							
SYS-1029GQ-TVRT	4 GPU	✓													
SYS-1029GQ-TRT SYS-1029GQ-TNRT	4 GPU	✓	✓j	✓k	✓	✓		✓a1				✓j,a1	✓a1	✓a1	✓a1
SYS-1029GP-TR	3 GPU	✓m	✓j	✓j,k	✓j,m	✓j		✓a1 (4 GPU)							
SYS-1019GP-TT SYS-5019GP-TT	2 GPU	✓	✓j	✓j	✓j	✓j	✓j	✓				✓j,a1	✓a1	✓a1	✓a1
SYS-2029GP-TR	6 GPU	✓n	✓j,i	✓j,k	✓j,n	✓j	✓j,o	✓o							
SYS-4029GP-TVRT	8 GPU	✓													
SYS-4029GP-TRT	8 GPU	✓			✓j	✓j	✓j	✓		✓j	✓j		✓j,a1	✓a1	✓a1
SYS-4029GP-TRT2	10 GPU	✓			✓j	✓j	✓j	✓		✓j	✓j		✓j,a1	✓a1	✓a1
SYS-4029GP-TRT3	9 GPU	✓						✓							
SYS-6049GP-TRT	20 GPU							✓							
SYS-7049GP-TRT	4 GPU	✓	✓j	✓j,k	✓	✓j	✓j	✓		✓j	✓j		✓j	✓	✓
SYS-7039A-i	2 GPU								✓y	✓y	✓y	✓y	✓y	✓y	✓y
SYS-7049A-T	2 GPU								✓z	✓z	✓z	✓z	✓z	✓z	✓z
SYS-1029U-TR4T SYS-1029U-TR4 SYS-1029U-TRT SYS-1029U-TRTP SYS-1029U-TRTP2 SYS-1029U-TR25M SYS-1029U-TN10RT	1 GPU	✓a,c,i	✓a,c,h	✓b,c,h	✓j,a,c,i	✓j,a,c,h	✓c,h (2 GPU)	✓c,h (2 GPU)		✓j,b,c,h	✓j,b,c,h	✓b,c,h	✓b,c,h	✓b,c,h	✓b,c,h
SYS-1029U-E1CR4T SYS-1029U-E1CR4 SYS-1029U-E1CRT SYS-1029U-E1CRTP SYS-1029U-E1CRTP2 SYS-1029U-E1CR25M	1 GPU	✓a,c,i	✓a,c,h	✓b,c,h	✓j,a,c,i	✓j,a,c,h	✓c,h (2 GPU)	✓c,h (2 GPU)		✓j,b,c,h	✓j,b,c,h	✓b,c,h	✓b,c,h	✓b,c,h	✓b,c,h
SYS-6019U-TR4T SYS-6019U-TR4 SYS-6019U-TRT SYS-6019U-TRTP SYS-6019U-TRTP2 SYS-6019U-TR25M SYS-6019U-TN4RT	1 GPU	✓a,c,i	✓a,c,h	✓b,c,h	✓j,a,c,i	✓a,c,h	✓c,h (2 GPU)	✓c,h (2 GPU)		✓j,b,c,h	✓j,b,c,h	✓b,c,h	✓b,c,h	✓b,c,h	✓b,c,h
SYS-6029U-TR4T SYS-6029U-TR4 SYS-6029U-TRT SYS-6029U-TRTP SYS-6029U-TR25M	2 GPU (1 if indicated)	✓a,d,f,i	✓j,a,d,h	✓b,d,h	✓a,d,f,i	✓a,d,h	✓h,p,q,r (4 GPU)	✓h,p,q,r (4 GPU)		✓j,b,d,h	✓j,b,d,h				
SYS-6029U-E1CR4T SYS-6029U-E1CR4 SYS-6029U-E1CRT SYS-6029U-E1CRTP SYS-6029U-E1CR25M	2 GPU (1 if indicated)	✓a,d,f,i (1 GPU)	✓j,a,d,f,i	✓b,d,f,h	✓a,d,f,i (1 GPU)	✓a,d,f,i	✓h,p,q,r (4 GPU)	✓h,p,q,r (4 GPU)		✓j,b,d,f,i	✓j,b,d,f,i				
SYS-2029U-TR4T SYS-2029U-TR4 SYS-2029U-TRT SYS-2029U-TRTP SYS-2029U-TR25M	2 GPU (1 if indicated)	✓a,d,g,i	✓j,a,d,h	✓b,d,h	✓a,d,g,i	✓a,d,h	✓h,p,q,r (4 GPU)	✓h,p,q,r (4 GPU)		✓j,b,d,h	✓j,b,d,h				
SYS-2029U-E1CR4T SYS-2029U-E1CR4 SYS-2029U-E1CRT SYS-2029U-E1CRTP SYS-2029U-E1CR25M	2 GPU (1 if indicated)	✓a,d,g,i (1 GPU)	✓j,a,d,g,i	✓b,d,g,i	✓a,d,g,i (1 GPU)	✓a,d,g,i	✓h,p,q,r (4 GPU)	✓h,p,q,r (4 GPU)		✓j,b,d,g,i	✓j,b,d,g,i				
SYS-2029U-TN24R4T	2 GPU (1 if indicated)		✓j,a,e,i	✓b,e,i		✓a,e,i	✓h,p	✓h,p		✓j,b,e,i	✓j,b,e,i				
SYS-1029P-WT SYS-1029P-WTR SYS-1029P-WTRT SYS-6019P-WT SYS-6019P-WTR	1 GPU						✓j,w1	✓j,w1							
SYS-6029P-WTR SYS-6029P-WTRT	2 GPU							✓j,w2							
SYS-1019D-FHN13TP	2 GPU							✓							
SYS-5019D-FN8TP	1 GPU							✓							
SYS-E403-9D-16C-FN13TP	2 GPU							✓							
AS-4023S-TRT	2 GPU										✓				
AS-2023US-TR4	2 GPU	✓a,s,t,v			✓a,s,t,v					✓b,s,t,v		✓b,s,t,v	✓b,s,t,v	✓b,s,t,v	✓b,s,t,v

Note: For consumer-grade GPU card support, please contact Supermicro sales and technical support for details.

- ✓ a. Add 1x CBL-PWEX-1016-3 per GPU
- ✓ b. Add 1x CBL-PWEX-1017 per GPU
- ✓ c. Add 8X FAN-0163L4
- ✓ d. For 1 or 2 GPU: Add 4x FAN-0166L4, 2x SNK-P0067PS, 1x MCP-310-21903-0B, 1x MCP-310-21905-0B, 1x RSC-R2UW-2E8E16
- ✓ e. Add 4x FAN-0166L4, 2x SNK-P0067PS, 1x MCP-310-21903-0B, 1x MCP-310-21904-0B
- ✓ f. Top row of drive bays (2, 5, 8, 11) must be unpopulated
- ✓ g. Drive bays 0-3 & 20-23 must be unpopulated
- ✓ h. Can only support CPUs with TDP of 165W or less; the system must be operated at 30°C or below; HDD performance may be impacted so SSDs are recommended
- ✓ i. Can only support CPUs with TDP of 165W or less; the system must be operated at 25°C or below; HDD performance may be impacted so SSDs are recommended
- ✓ j. Passed internal Supermicro validation - NVQual not performed or not available
- ✓ k. Supports up to two M10 GPUs
- ✓ l. Supports up to four M60 GPUs
- ✓ m. The system must be operated at 30°C or lower with 2 GPUs, 25°C or lower with 3 GPUs.
- ✓ n. The system must be operated at 30°C or lower with 4 GPUs, 25°C or lower with 6 GPUs.
- ✓ o. MCP-120-21807-0N bracket is required for P4 & T4 GPU installation.
- ✓ p. Add 4x FAN-0166L4.
- ✓ q. For 1 or 2 GPU: Add 1x RSC-R2UW-2E8E16.
- ✓ r. For 3 or 4 GPU: Add 1x RSC-W2-66. For 4 GPU: Also add 1x AOC-2UR66-i4XTF.
- ✓ s. Add GPU Kit, first GPU need to be installed in Slot 5/6, WIO Left. Second GPU need to be installed in Slot 1, WIO right.
- ✓ t. Drive bays 9, 10, 11 must be unpopulated
- ✓ u. Drive bays 2, 5, 8, 9, 10, 11 must be unpopulated when installing 2 GPU
- ✓ v. The system must be operated at 30°C or lower with 1 GPU, 25°C or lower with 2 GPUs.
- ✓ w. The system must be operated at 25°C or lower with 1 GPU, 20°C or lower with 2 GPUs.
- ✓ x. The system supports 1 double wide GPU (P40) only or 1-2 single wide GPU (T4).
- ✓ y. 1 GPU supported at 35°C: both fans must be upgraded to FAN-0077L4-1 and Fan speed set to Heavy I/O.
2 GPU supported at 30°C: both fans must be upgraded to FAN-0077L4-1 and Fan speed set to Heavy I/O.
- ✓ z. 1 GPU supported at 35°C: Left Middle Chassis Fan upgraded to FAN-0074L4, Fan speed set to Heavy I/O.
2 GPU supported at 30°C: Left Middle Chassis Fan upgraded to FAN-0074L4, Fan speed set to Heavy I/O.
- ✓ a1. Additional hardware required, check product specification details page.
- ✓ w1. Operating temperature at 35°C or lower; add 5x FAN-0141L4; set fan to full speed
- ✓ w2. Operating temperature at 30°C or lower; add 3x FAN-0166L4, 1x RSC-W2-66 and 2x SNK-P0067PSMB; set fan to full speed

Qualified Platform List (X10) for NVIDIA Tesla / NVIDIA GRID

Server Models	Description	V100	M60	M10	P100	P40	P4
SBI-7128RG-X SBI-7128RG-F SBI-7128RG-F2	2 NVIDIA Tesla (207U)				✓		
SYS-1028GQ-TR SYS-1028GQ-TR1	X10 1U 4 NVIDIA GPU	✓	✓	✓ ₇	✓	✓	
SYS-4028GR-TR2 SYS-4028GR-TRT2	X10 4U 8 NVIDIA GPU	✓			✓ ₁	✓ ₁	✓
SYS-4028GR-TR SYS-4028GR-TR1	X10 4U 8 NVIDIA GPU	✓			✓ ₁	✓ ₁	✓
SYS-1018GR-T SYS-5018GR-T	X10 1U 2 NVIDIA GPU		✓ _{3,7}	✓ ₇	✓ ₃	✓ ₃	
SYS-1028GR-TRT SYS-1028GR-TR	X10 1U 3 NVIDIA GPU		✓ _{1,7}	✓ ₇	✓ ₁	✓ ₁	
SYS-2028GR-TR1 SYS-2028GR-TR	X10 2U 4 NVIDIA GPU	✓	✓ _{1,7}	✓ ₇	✓ ₁	✓ ₁	
SYS-2028GR-TRHT SYS-2028GR-TRH	X10 2U 6 NVIDIA GPU		✓ _{1,7}	✓ ₇	✓ ₁	✓ ₁	
SYS-7048GR-TR	X10 4U 4 NVIDIA GPU	✓	✓ _{2,7}	✓ ₇	✓ ₂	✓ ₂	✓
SYS-F628G2-FC0PT+ SYS-F628G2-FC0+ SYS-F628G2-FTPT+ SYS-F628G2-FT+ SYS-F628G3-FC0PT+ SYS-F628G3-FC0+ SYS-F628G3-FTPT+ SYS-F628G3-FT+	X10 4U 12 NVIDIA GPU		✓ ₄ (supports 2 per node)		✓	✓	
SYS-6028UX-TR4	X10 2U NVIDIA GPU		✓				
SYS-1028U-TR4+ SYS-1028U-TR4T+ SYS-1028U-TRT+ SYS-1028U-TNRTP+ SYS-1028U-TNR4T+ SYS-1028U-TNRT+ SYS-6018U-TR4+ SYS-6018U-TR4T+ SYS-6018U-TRT+ SYS-6018U-TRTP+	X10 1U 1 NVIDIA GPU		✓ ₅	✓ ₅			
SYS-2028U-TNR4T+ SYS-2028U-TNRT+ SYS-2028U-E1CNR4T+ SYS-2028U-E1CNR+ SYS-2028U-TR4T+ SYS-2028U-TR4+ SYS-2028U-TRTP+ SYS-2028U-TRT+ SYS-6028U-TNR4T+	X10 2U 2 NVIDIA GPU		✓ ₆	✓ ₆			

[SYS-6028U-TNRT+](#)
[SYS-6028U-E1CNRT+](#)
[SYS-6028U-E1CNRT+](#)
[SYS-6028U-TR4T+](#)
[SYS-6028U-TR4+](#)
[SYS-6028U-TRTP+](#)
[SYS-6028U-TRT+](#)

Qualified Platform List (X9) for NVIDIA Tesla / NVIDIA GRID

Server Models	Description	K8	K10* K20M* K20X*	K40M*	K1** K2**	K40C* K20C*	K340 K520	K80
SBI-7127RG-E	2 NVIDIA Tesla (20/7U)		✓	✓	✓			
SBI-7127RG	2 NVIDIA Tesla (20/7U)							
SYS-1027GR-TRF SYS-1027GR-TSF SYS-1027GR-TRFT	X9 1U 3 NVIDIA Tesla		✓	✓	✓		✓	✓ ₁
SYS-1027GR-TR2 SYS-1027GR-TRT2 SYS-1027GR-TR2R2 SYS-1027GR-TR2RT2	X9 1U 3 NVIDIA Tesla		✓	✓	✓			
SYS-1027GR-TRF+ SYS-1027GR-TRFT+	X9 1U 2 NVIDIA Tesla		✓		✓			
SYS-1027GR-TQF SYS-1027GR-TQFT	X9 1U 4 NVIDIA Tesla							
SYS-1017GR-TF SYS-5017GR-TF	X9 1U 2 NVIDIA Tesla	✓	✓					
SYS-2027GR-TRF SYS-2027GR-TSF SYS-2027GR-TRFT SYS-2027GR-TR2 SYS-2027GR-TRT2	X9 2U 4 NVIDIA Tesla		✓	✓	✓			✓ ₁
SYS-2027GR-TRFH SYS-2027GR-TRFHT	X9 2U 6 NVIDIA Tesla			✓	✓			
SYS-6037R-72RFT+	X9 3U 2 NVIDIA Tesla							
SYS-5037A-i	X9 UP Workstation					✓		
SYS-7037A-i SYS-7047A-T SYS-7047A-73	X9 DP Workstation					✓		
SYS-4027GR-TRT SYS-4027GR-TR	X9 4U 8 NVIDIA Tesla		K10	✓		✓		✓ ₁
SYS-7047GR-TRF	X9 4U 4 NVIDIA Tesla	✓				✓		
SYS-7047GR-TPRF	X9 4U 4 NVIDIA Tesla		✓	✓	✓			
SYS-F627G3-FT+ SYS-F627G3-FTPT+ SYS-F627G3-F73+ SYS-F627G3-F73PT+ SYS-F627G2-FT+ SYS-F627G2-FTPT+ SYS-F627G2-F73+ SYS-F627G2-F73PT+	X9 4U 12 NVIDIA Tesla		✓	✓	✓			✓ ₄

* Note: System requires BIOS and IPMI update to support NVIDIA Tesla cards / Xeon Phi / AMD FirePro cards

** Note: All systems can only support up to 2 x K1 or 4 x K2 per Nvidia recommendation

† Note: Intel Xeon Phi 3120P/5110P/7120P can be supported with limited thermal condition, please contact Supermicro sales and technical support for details.

Note: For consumer-grade GPU card support, please contact Supermicro sales and technical support for details.

- ✓ 1, 2, 3. Note: Additional Supermicro Power cable is required per board for K80/M60 support
- ✓ 4. Note: 2x Supermicro FAN-015-0L4 are required per node for K80/M60 support
- ✓ 5. Note: Some configurations require fan upgrade and GPU power cable, please contact Supermicro sales or technical support for details
- ✓ 6. Note: GPU Kit required and some configurations require riser card upgrades and have drive population limitations, please contact Supermicro sales or technical support for details
- ✓ 7. Note: Indicated systems can only support up to 2x M10 and 4x M60 GPU.

English

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