

Industrial GPU Solutions



NVIDIA Elite Partner

Delivers a wide range of Industrial GPU Solutions with early authorized access and exclusive technical support.



RTX GPU Cards in Industrial

Comprehensive offerings for image processing and Edge AI acceleration in manufacturing, transportation, and medical industries.



Qualified and Certified Systems

NVIDIA-qualified and certified systems ensure hardware stability and software compatibility.

Edge AI Computing IPC					
	IPC-730	ACP-4340	MIC-770 V3+MIC-75G20	MIC-770 V3+MIC-75GF10	ITA-580G

NVIDIA MXM GPU Cards					
	SKY-MXM-5000A SKY-MXM-5000A-6SDA	SKY-MXM-3500A SKY-MXM-3500A-2SDA	SKY-MXM-2000A SKY-MXM-2000A-8SDA	SKY-MXM-A4500 SKY-MXM-A4500-6SDA	SKY-MXM-A2000 SKY-MXM-A2000-8SDA
	SKY-MXM-A500 KY-MXM-A500-4SHA	SKY-MXM-A1000 SKY-MXM-A1000-4HDA	SKY-MXM-RTX3000 SKY-MXM-R3000-6HDA	SKY-MXM-T1000 SKY-MXM-T1000-4HDB	

NVIDIA Quadro GPU Cards			
	SKY-QUAD-A800-40	SKY-QUAD-6000A-48	SKY-QUAD-5000A-32
	SKY-QUAD-4500A-24	SKY-QUAD-4000A-20	SKY-QUAD-4000SA-20
	SKY-QUAD-2000A-16	SKY-QUAD-A1000-8	SKY-QUAD-A400-4

NVIDIA Tesla GPU Cards				
	SKY-TESL-H200N-141	SKY-TESL-H100N-94P	SKY-TESL-L40S-48P	SKY-TESL-L4-24P
	SKY-TESL-A100-80P	SKY-TESL-A40-48P	SKY-TESL-A30-24P	
	SKY-TESL-A10-24P	SKY-TESL-A2-16P	SKY-TESL-T4-16P	

NVIDIA® GPU

NVIDIA® MXM GPUs

Advantech MXM series are compact in size and rugged in design with a small form factor and low power consumption. They fit perfectly in the limited spaces of applications such as surgery, gaming, and autonomous driving.

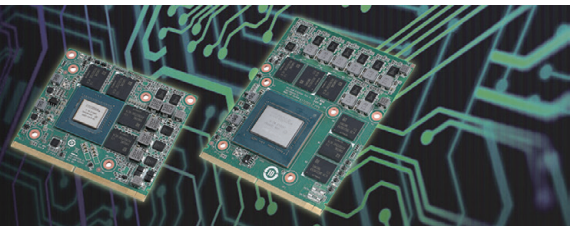


Model	SKY-MXM-5000A	SKY-MXM-3500A	SKY-MXM-2000A	SKY-MXM-A4500	SKY-MXM-A2000	SKY-MXM-A1000	SKY-MXM-A500	SKY-MXM-RTX3000	SKY-MXM-T1000
Part Number	SKY-MXM-5000A-6SDA	SKY-MXM-3500A-2SDA	SKY-MXM-2000A-8SDA	SKY-MXM-A4500-6SDA	SKY-MXM-A2000-8SDA	SKY-MXM-A1000-4SDA	SKY-MXM-A500-4SHA	SKY-MXM-R3000-6SDA	SKY-MXM-T1000-4HDB
GPU Architecture	Ada Lovelace	Ada Lovelace	Ada Lovelace	Ampere	Ampere	Ampere	Ampere	Turing	Turing
GPU Memory	16GB GDDR6 with ECC	12GB GDDR6 with ECC	8GB GDDR6 with ECC	16GB GDDR6 with ECC	8GB GDDR6 with ECC	4GB GDDR6	4GB GDDR6	6GB GDDR6	4GB GDDR6
Memory Interface	256-bit	192-bit	128-bit	256-bit	128-bit	128-bit	64-bit	192-bit	128-bit
Max Clock	9000 MHz	9000 MHz	8000 MHz	8000 MHz	7000 MHz	7000 MHz	7000 MHz	7000 MHz	6000 MHz
Memory Bandwidth	576 GB/s	432 GB/s	256 GB/s	512 GB/s	224 GB/s	224 GB/s	112 GB/s	336 GB/s	192 GB/s
CUDA Cores	9728	5120	3072	5888	2560	2048	2048	1920	896
RT Cores	76	40	24	46	20	16	16	30	-
Tensor Cores	304	160	96	184	80	64	64	240	-
Tensor (TFLOPS) (Dense/Sparse)	165/329	92/184	52/104	70/140	34/66	26/52	25/50	44/NA	N / A
FP32 (TFLOPS)	41.15	23.04	12.8	17.66	8.64	6.66	6.54	5.3	2.7
GPU Clock	1425 MHz	1725 MHz	1635 MHz	930 MHz	1117 MHz	1192 MHz	652 MHz	945 MHz	1395 MHz
Boost Clock	2115 MHz	2250 MHz	2115 MHz	1500 MHz	1612 MHz	1624 MHz	1597 MHz	1380 MHz	1455 MHz
Form Factor	MXM Type B+	MXM Type B+	MXM Type A	MXM Type B+	MXM Type A	MXM Type A	MXM Type A	MXM Type B	MXM Type A
Dimension (L x H)	82 x 105 mm (3.23" x 4.13")	82 x 105 mm (3.23" x 4.13")	82 x 70 mm (3.23" x 2.76")	82 x 105 mm (3.23" x 4.13")	82 x 70 mm (3.23" x 2.76")	82 x 70 mm (3.23" x 2.76")	82 x 70 mm (3.23" x 2.76")	82 x 105 mm (3.23" x 4.13")	82 x 70 mm (3.23" x 2.76")
Interface	MXM 3.1, PCIe 4.0 x16	MXM 3.1, PCIe 4.0 x16	MXM 3.1, PCIe 4.0 x8	MXM 3.1, PCIe 3.0 x16	MXM 3.1, PCIe 3.0 x8	MXM 3.1, PCIe 3.0 x8	MXM 3.1, PCIe 3.0 x4	MXM 3.1, PCIe 3.0 x16	MXM 3.1, PCIe 3.0 x16
TGP Power	115 W	115 W	60 W	115 W	60 W	60 W	35 W	80 W	50 W
Display Output	4 x DP 1.4a, HDMI 2.1 4K at 120Hz or 8K at 60Hz		3 x DP 1.4a, HDMI 2.1 4K at 120Hz or 8K at 60Hz		4 x DP 1.4a, HDMI 2.1 4K at 120Hz or 8K at 60Hz		Headless Design No Display Output	4 x DP 1.4a, HDMI 2.1 4K at 120Hz or 8K at 60Hz	
NVENC	2(8th Gen)	2(8th Gen)	1(8th Gen)	1(7th Gen)	1(7th Gen)	1(7th Gen)	1(7th Gen)	1(7th Gen)	1(6th Gen)
NVDEC	5(5th Gen)	1(5th Gen)	1(5th Gen)	2(5th Gen)	2(5th Gen)	2(5th Gen)	1(5th Gen)	3(4th Gen)	3(4th Gen)
Operating temperature	0 ~ 55°C (32 ~ 131°F) (dependent on CPU and cooler solution)								
Storage temperature	-40 ~ 85°C (-40 ~ 185°F)								
Vibration (Non-operating)	2G								
OS support	Windows 10/11, 64-bit Linux Drivers, 64-bit								

✓: supported, -: not supported, △: optional



Advantech MXM GPU Cards
Accelerating Edge AI and Image Processing
with NVIDIA Elite Partner



NVIDIA® GPU

NVIDIA® RTX® RTX™

Designed and built to accelerate any professional workflow, NVIDIA RTX™ professional GPU cards feature large memory, advanced enterprise features, optimized drivers, and certification for industrial applications.



Model	NVIDIA RTX A800 40GB	NVIDIA RTX 6000 Ada	NVIDIA RTX 5000 Ada	NVIDIA RTX 4500 Ada	NVIDIA RTX 4000 Ada	NVIDIA RTX 4000 SFF Ada	NVIDIA RTX A6000	NVIDIA RTX A5500	NVIDIA RTX A5000	NVIDIA RTX A4500	NVIDIA RTX A4000
Part Number	SKY-QUAD-A800-40	SKY-QUAD-6000A-48	SKY-QUAD-5000A-32	SKY-QUAD-4500A-24	SKY-QUAD-4000A-20	SKY-QUAD-4000SA-20	SKY-QUAD-RTXA 6000B	SKY-QUAD-A5500-24B	SKY-QUAD-RTXA 5000B	SKY-QUAD-RTXA 4500B	SKY-QUAD-RTXA 4000B
GPU Architecture	Ampere	Ada Lovelace	Ada Lovelace	Ada Lovelace	Ada Lovelace	Ada Lovelace	Ampere	Ampere	Ampere	Ampere	Ampere
Memory Size	40 GB HBM2 with ECC	48 GB GDDR6 with ECC	32 GB GDDR6 with ECC	24 GB GDDR6 with ECC	20 GB GDDR6 with ECC	20 GB GDDR6 with ECC	48 GB GDDR6 with ECC	24 GB GDDR6 with ECC	24 GB GDDR6 with ECC	20 GB GDDR6 with ECC	16 GB GDDR6 with ECC
Memory Interface	5,120-bit	384-bit	384-bit	320-bit	160-bit	160-bit	384-bit	384-bit	384-bit	320-bit	256-bit
Memory Bandwidth	1555 GB/s	960 GB/s	576 GB/s	432 GB/s	360 GB/s	280 GB/s	768 GB/s	768 GB/s	768 GB/s	640 GB/s	512 GB/s
Form Factor	Dual slot, full height	Dual slot, full height	Dual slot, full height	Dual slot, full height	Single slot, full height	Dual slot, low profile	Dual slot, full height	Dual slot, full height	Dual slot, full height	Dual slot, full height	Single slot, full height
Dimension (L x H)	266.7 x 111.8 mm (10.5" x 4.4")	266.7 x 111.8 mm (10.5" x 4.4")	266.7 x 111.8 mm (10.5" x 4.4")	266.7 x 111.8 mm (10.5" x 4.4")	241.3 x 111.8 mm (9.5" x 4.4")	167.6 x 68.6 mm (6.6" x 2.7")	266.7 x 111.8 mm (10.5" x 4.4")	266.7 x 111.8 mm (10.5" x 4.4")	266.7 x 111.8 mm (10.5" x 4.4")	266.7 x 111.8 mm (10.5" x 4.4")	241.3 x 111.8 mm (9.5" x 4.4")
CUDA Cores	6912	18176	12800	7,680	6144	6144	10752	10249	8192	7168	6144
Tensor Cores	432	568	400	240	192	192	336	320	256	224	192
RT Cores	-	142	100	60	48	48	84	80	64	56	48
FP32 (TFLOPS)	19.5	91.1	65.3	39.6	26.7	19.2	38.7	34.1	27.8	23.7	19.2
Media Acceleration	1 JPEG Decoder, 5 Video Decoder	3 NVENC, 3 NVDEC (+AV1 enc&dec)	2 NVENC, 2 NVDEC (+AV1 enc&dec)	2 NVENC, 2 NVDEC (+AV1 enc&dec)	2 NVENC, 2 NVDEC (+AV1 enc&dec)	2 NVENC, 2 NVDEC (+AV1 enc&dec)	1 NVENC, 2 NVDEC, (+AV1 dec)	1 NVENC, 2 NVDEC, (+AV1 dec)	1 NVENC, 2 NVDEC, (+AV1 dec)	1 NVENC, 2 NVDEC, (+AV1 dec)	1 NVENC, 2 NVDEC, (+AV1 dec)
NVLink	✓	-	-	-	-	-	✓	✓	✓	✓	-
Virtualization Ready	✓	✓	✓	-	-	-	✓	✓	✓	-	-
Display Connectors	Headless Design	4 x DP 1.4	4 x DP 1.4	4 x DP 1.4	4 x DP 1.4	4 x mDP 1.4	4 x DP 1.4	4 x DP 1.4	4 x DP 1.4	4 x DP 1.4	4 x DP 1.4
Operating Temperature	0 ~ 45°C (32 ~ 113°F)	0 ~ 45°C (32 ~ 113°F)	0 ~ 45°C (32 ~ 113°F)	0 ~ 45°C (32 ~ 113°F)	0 ~ 50°C (32 ~ 122°F)	0 ~ 45°C (32 ~ 113°F)	0 ~ 45°C (32 ~ 113°F)	0 ~ 45°C (32 ~ 113°F)	0 ~ 45°C (32 ~ 113°F)	0 ~ 45°C (32 ~ 113°F)	0 ~ 50°C (32 ~ 122°F)
Max Power	240 W	300 W	250 W	210 W	130 W	70 W	300 W	230 W	230 W	200 W	140 W
Power Connector	16-Pin PCIe	16-Pin PCIe	16-Pin PCIe	16-Pin PCIe	16-Pin PCIe	-	8-Pin CPU	8-Pin PCIe	8-Pin PCIe	8-Pin PCIe	6-Pin PCIe
Graphics Bus	PCIe 4.0 x16	PCIe 4.0 x16	PCIe 4.0 x16	PCIe 4.0 x16	PCIe 4.0 x16	PCIe 4.0 x16	PCIe 4.0 x16	PCIe 4.0 x16	PCIe 4.0 x16	PCIe 4.0 x16	PCIe 4.0 x16

✓: supported, -: not supported, Δ: optional

NVIDIA Ada Generation GPU Cards for Professionals



NVIDIA® GPU

NVIDIA RTX® RTX™ GPUs: Entry to Mid-range



Model	NVIDIA RTX 2000 Ada	NVIDIA RTX A2000 12GB	NVIDIA RTX A1000	NVIDIA RTX A400	NVIDIA T1000 8GB	NVIDIA T1000	NVIDIA T400 4GB
Part Number	SKY-QUAD-2000A-16	SKY-QUAD-A2000-12B	SKY-QUAD-A1000-8	SKY-QUAD-A400-4	SKY-QUAD-T1000-8-B	SKY-QUAD-T1000-AB	SKY-QUAD-T400-4-B
GPU Architecture	Ada Lovelace	Ampere	Ampere	Ampere	Turing	Turing	Turing
Memory Size	16 GB GDDR6 with ECC	12 GB GDDR6 with ECC	8 GB GDDR6	4 GB GDDR6	8 GB GDDR6	4 GB GDDR6	4 GB GDDR 6
Memory Interface	128-bit	192-bit	128-bit	64-bit	128-bit	128-bit	64-bit
Memory Bandwidth	224 GB/s	288 GB/s	192 GB/s	96 GB/s	160 GB/s	160 GB/s	80 GB/s
Form Factor	Dual slot, low profile	Dual slot, low profile	Single slot, low profile	Single slot, low profile	Single slot, low profile	Single slot, low profile	Single slot, low profile
Dimension (L x H)	167.6 x 68.6 mm (6.6" x 2.7")	167.6 x 68.6 mm (6.6" x 2.7")	162.5 x 68.6 mm (6.4" x 2.7")	162.5 x 68.6 mm (6.4" x 2.7")	154.9 x 68.6 mm (6.1" x 2.7")	154.9 x 68.6 mm (6.1" x 2.7")	154.9 x 68.6 mm (6.1" x 2.7")
CUDA Cores	2816	3328	2304	768	896	896	384
Tensor Cores	88	104	72	24	-	-	-
RT Cores	22	26	18	6	-	-	-
FP32 (TFLOPS)	12	8	6.74	2.7	2.5	2.5	1
Media Acceleration	1 NVENC, (+AV1 enc) 1 NVDEC, (+AV1 dec)	1 NVENC, 2 NVDEC, (+AV1 dec)	1 NVENC, 1 NVDEC, (+AV1 dec)	1 NVENC, 1 NVDEC, (+AV1 dec)	1 NVENC, 2 NVDEC,	1 NVENC, 2 NVDEC,	1 NVENC, 2 NVDEC,
NVLink	-	-	-	-	-	-	-
Virtualization Ready	-	-	-	-	-	-	-
Display Connectors	4 x mDP 1.4	4 x mDP 1.4	4 x mDP 1.4	4 x mDP 1.4	4 x mDP 1.4	4 x mDP 1.4	3 x mDP 1.4
Operating Temperature	0 ~ 45°C (32 ~ 113°F)	0 ~ 50°C (32 ~ 122°F)	0°C to 50 °C	0°C to 50 °C	0 ~ 55°C (32 ~ 131°F)	0 ~ 55°C (32 ~ 131°F)	0 ~ 55°C (32 ~ 131°F)
Max Power	70 W	70 W	50 W	50 W	50 W	50 W	30 W
Power Connector	-	-	-	-	-	-	-
Graphics Bus	PCIe 4.0 x8	PCIe 4.0 x16	PCIe 4.0 x8	PCIe 4.0 x8	PCIe 3.0 x16	PCIe 3.0 x16	PCIe 3.0 x16

NVIDIA RTX® RTX™ Long-Life SKU Model



Model	NVIDIA RTX 6000E Ada	NVIDIA RTX 5000E Ada	NVIDIA RTX 4000E Ada	NVIDIA RTX A4000H	NVIDIA RTX 2000E Ada	NVIDIA T1000E	NVIDIA T600E	NVIDIA T400E
Part Number	SKY-QUAD-6000EA-48	SKY-QUAD-5000EA-32	SKY-QUAD-4000EA-20	SKY-QUAD-A4000H16B	SKY-QUAD-2000EA-16	SKY-QUAD-T1000E8B	SKY-QUAD-T600E-4	SKY-QUAD-T400E-4
GPU Architecture	Ada Lovelace	Ada Lovelace	Ada Lovelace	Ampere	Ada Lovelace	Turing	Turing	Turing
Memory Size	48 GB GDDR6 with ECC	32 GB GDDR6 with ECC	20 GB GDDR6 with ECC	16 GB GDDR6 with ECC	16 GB GDDR6 with ECC	8 GB GDDR6	4 GB GDDR6	4 GB GDDR6
Memory Interface	384-bit	384-bit	160-bit	256-bit	128-bit	128-bit	128-bit	64-bit
Memory Bandwidth	960 GB/s	576 GB/s	320 GB/s	512 GB/s	224 GB/s	160 GB/s	160 GB/s	80 GB/s
Form Factor	Dual slot, full height	Dual slot, full height	Single slot, full height	Single slot, full height	Single slot, low profile	Single slot, low profile	Single slot, low profile	Single slot, low profile
Dimension (L x H)	266.7 x 111.8 mm (10.5" x 4.4")	266.7 x 111.8 mm (10.5" x 4.4")	241.3 x 111.8 mm (9.5" x 4.4")	241.3 x 111.8 mm (9.5" x 4.4")	169.6 x 68.9 mm (6.6" x 2.7")	154.9 x 68.6 mm (6.1" x 2.7")	154.9 x 68.6 mm (6.1" x 2.7")	154.9 x 68.6 mm (6.1" x 2.7")
CUDA Cores	18176	12800	6144	6144	2816	896	640	384
Tensor Cores	568	400	192	192	88	-	-	-
RT Cores	142	100	48	48	22	-	-	-
FP32 (TFLOPS)	91.1	65.3	26.7	19.2	8.7	2.5	1.7	1.09
Media Acceleration	3 NVENC 3 NVDEC (+AV1 enc&dec)	2 NVENC 2 NVDEC (+AV1 enc&dec)	2 NVENC 2 NVDEC (+AV1 enc&dec)	-	1 NVENC 1 NVDEC (+AV1 enc&dec)	1 NVENC, 2 NVDEC,	1 NVENC 2 NVDEC	1 NVENC 2 NVDEC
NVLink	-	-	-	-	-	-	-	-
Virtualization Ready	✓	✓	-	-	-	-	-	-
Display Connectors	4 x DP 1.4	4 x DP 1.4	4 x DP 1.4	4 x DP 1.4a	4 x mDP 1.4	4 x mDP 1.4	4 x mDP 1.4	4 x mDP 1.4
Operating Temperature	0 ~ 45 °C (32 ~ 113°F)	0 ~ 45 °C (32 ~ 113°F)	0 ~ 50 °C (32 ~ 122°F)	0 ~ 50 °C (32 ~ 122°F)	0 ~ 45 °C (32 ~ 113°F)	0 ~ 55°C (32 ~ 131°F)	0 ~ 55°C (32 ~ 131°F)	0 ~ 55°C (32 ~ 131°F)
Max Power	300 W	250 W	130 W	140 W	50 W	50 W	40W	30 W
Power Connector	16-Pin PCIe	16-Pin PCIe	16-Pin PCIe	16-Pin PCIe	-	-	-	-
Graphics Bus	PCIe 4.0 x16	PCIe 4.0 x16	PCIe 4.0 x16	PCIe4.0x16	PCIe 4.0 x8	PCIe 4.0 x16	PCIe 3.0 x16	PCIe 3.0 x16

✓: supported, -: not supported, Δ: optional

NVIDIA® GPU

NVIDIA® Data Center GPU

Accelerating the most demanding HPC and hyperscale data center workloads, delivering the horsepower needed to run bigger simulations faster than ever before, and for supporting the highest performance and user density applications.



Model	Tesla H100 NVL	NVIDIA H100	NVIDIA A100 80G	NVIDIA A30	NVIDIA L40S	NVIDIA L40
Part Number	SKY-TESL-H100N-94P	SKY-TESL-H100-80P	SKY-TESL-A100-80P	SKY-TESL-A30-24P	SKY-TESL-L40S-48P	SKY-TESL-L40-48P
GPU Architecture	Hopper		Ampere		Ada Lovelace	
Form Factor	Dual slot, full height 3 NVLINK bridges	Dual slot, full height 3 NVLINK bridges	Dual slot, full height 3 NVLINK bridges	Dual slot, full height 1 NVLINK bridge	Dual slot, full height	Dual slot, full height
Dimension (L x H)	266.7 x 111.8 mm (10.5" x 4.4")	266.7 x 111.8 mm (10.5" x 4.4")	266.7 x 111.8 mm (10.5" x 4.4")	266.7 x 111.8 mm (10.5" x 4.4")	266.7 x 111.8 mm (10.5" x 4.4")	266.7 x 111.8 mm (10.5" x 4.4")
GPU Memory	94GB HBM3	80GB HBM2e	80GB HBM2e	24GB HBM2	48GB DDR6 with ECC	48GB DDR6 with ECC
Memory Bandwidth	3.9TB/s	2TB/s	1,935 GB/s	933GB/s	864GB/s	864GB/s
CUDA Cores	14592	14592	6912	3584	18176	18176
Tensor Cores	456	456	432	224	568	568
RT Cores	-	-	-	-	142	142
FP32/FP64 (TFLOPS)	67 / 34	48 / 24	19.5 / 9.7	10.3 / 5.2	91.6 / -	88 / -
Multi-Instance GPU	Up to 7	Up to 7	Up to 7	Up to 4	-	-
Media Acceleration	7 JPEG Decoder, 7 Video Decoder	7 JPEG Decoder, 7 Video Decoder	1 JPEG Decoder, 5 Video Decoder	1 JPEG Decoder, 4 Video Decoder	3 NVENC, 3 NVDEC, (+AV1 enc/dec)	3 NVENC, 3 NVDEC, (+AV1 enc/dec)
Ray Tracing	-	-	-	-	✓	✓
Fast FP64	✓	✓	✓	✓	-	-
Design	Compute Optimise	Compute Optimise	Compute Optimise	Compute Optimise	Compute + Graphics	Compute + Graphics
DL & Compute	Ultimate	Ultimate	Ultimate	Fastest	Fastest	Fastest
Graphics	For in-situ visualization (no vPC/vQuadro)		For in-situ visualization (no vPC/vQuadro)	For in-situ visualization (no vPC/vQuadro)	Best	Best
Operating Temperature	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)
Max Power	400 W	350 W	300 W	165 W	350 W	300 W



Model	NVIDIA L4	NVIDIA A40	NVIDIA A10	NVIDIA A2
Part Number	SKY-TESL-L4-24P	SKY-TESL-A40-48P	SKY-TESL-A10-24P	SKY-TESL-A2-16P
GPU Architecture	Ada Lovelace		Ampere	
Form Factor	Single slot, low profile	Dual slot, full height 1 NVLINK bridge	Single slot, full height	Single slot, low profile
Dimension (L x H)	167.6 x 68.6 mm (6.6" x 2.7")	266.7 x 111.8 mm (10.5" x 4.4")	266.7 x 111.8 mm (10.5" x 4.4")	167.6 x 68.6 mm (6.6" x 2.7")
GPU Memory	24GB DDR6 with ECC	48GB DDR6 with ECC	24GB GDDR6	16GB GDDR6
Memory Bandwidth	300GB/s	696GB/s	600GB/s	200GB/s
CUDA Cores	7680	10752	9216	1280
Tensor Cores	240	336	288	40
RT Cores	60	84	72	10
FP32/FP64 (TFLOPS)	31.3 / -	37.4 / -	31.2 / -	4.5 / -
Multi-Instance GPU	-	-	-	-
Media Acceleration	2 NVENC, 4 NVDEC, (+AV1 enc/dec)	1 Video Encoder, 2 Video Decoder (+AV1 decode)	1 Video Encoder, 2 Video Decoder (+AV1 decode)	1 Video Encoder, 2 Video Decoder (+AV1 decode)
Ray Tracing	✓	✓	✓	✓
Fast FP64	-	-	-	-
Design	Compute + Graphics	Compute + Graphics	Compute + Graphics	Compute + Graphics
DL & Compute	Fastest	Fastest	Fast	Fast
Graphics	Good	Best	Good	Good
Operating Temperature	0 ~ 50°C (32 ~ 122°F)	0 ~ 55°C (32 ~ 131°F)	0 ~ 55°C (32 ~ 131°F)	0 ~ 50°C (32 ~ 122°F)
Max Power	72 W	300 W	150 W	40-60 W

✓: supported, - : not supported, Δ: optional

Industrial GPU Solutions

NVIDIA GPU Card Support List for Modular IPC



Model	MIC-770 series + MIC-75M20	MIC-770 series + MIC-75G20	MIC-770 series + MIC-75G30	MIC-770 series + MIC-75GF10
Supported GPU Model	Tesla A2 / T4 / L4 Quadro T400 4GB/T1000 8GB RTX A2000 12GB/4000 SFF ADA	Quadro A4000/4500/5000/5500/6000/ 4000 Ada/5000 Ada/6000 Ada	Quadro A4000/4500/5000/5500/6000/ 4000 Ada/5000 Ada/6000 Ada	MXM RTX-3000/A2000/T1000/A500
CUDA Cores	Up to 7,680	Up to 18,176	Up to 18,176 x2	Up to 2560
FP32	Up to 30.3 TFLOPS	Up to 91.1 TFLOPS	Up to 91.1 TFLOPS x2	Up to 8.25 TFLOPS
GPU Power Budget	Up to 80W	Up to 350W	Up to 700W (dual 350W)	Up to 80W
Operating Temperature	0~40°C with air flow	0~35°C with air flow	0~35°C with air flow	-10~50°C (T1000) -10~40°C (RTX-3000/A2000)
Function	1 x PCIe by 4 slot for I/O, Frame grabber Card	1 x PCIe by 4 slot for I/O, Frame grabber Card 2 x SSD/HDD Swappable	1 x PCIe by 4 slot for I/O, Frame grabber Card 2 x SSD/HDD Swappable	1 x PCIe by 4 slot for I/O , Frame grabber Card 2 x SSD/HDD Swappable
System Power	Up to 230W including GPU	Up to 448W including GPU	Up to 755W including GPU	Up to 230W including GPU
Recommended Power Supply	(230W) 96PSA-A230W24P4-3	(480W) 96PSD-A480W24-MS (Peak power 720W, 3 Sec.) (PSU Cable) 1700029474-01 PSU 1.5M (Power cord) 1700029720-01 USA AC Conn.	(1000W) XMIC-HRPG-1000-24 (PSU Cable) 1700031413-01 PSU 1M (Power cord) 1700029720-01 USA AC Conn.	(230W) 96PSA-A230W24P4-3
Compatible GPU Card Dimension	Max card length: 170 mm Max card height: 125 mm Max card thickness: 41 mm (2-slot)	Max card length: 310 mm Max card height: 130 mm Max card thickness: 59 mm (2.75-slot)	Max card length: 310 mm Max card height: 130 mm Max card thickness: 62 mm (3-slot)	MXM Type A/B
System Fan	Add 98R1752000E Add 98R1752002E for A2 & T4 (23,000RPM, 31.6 CFM, 62 dB)	Embedded (2200 RPM, 82 CFM, 36.5 dB)	Embedded (2200 RPM, 82 CFM, 36.5 dB)	Fanless
Dimension (W x H x D)	127 x 192 x 230 mm	207 x 192 x 385 mm	280 x 192 x 385 mm	190 x 192 x 230 mm

NVIDIA GPU Card Support List for Compact IPC and Industrial Chassis



Model	IPC-220	IPC-240	IPC-320	IPC-610 series ACP-4000 series ACP-4340 series	ACP-2020G-85Z	IPC-7130 series	IPC-730
Supported GPU model	Quadro T400 4GB/T1000 8GB RTX A2000 12GB/4000 SFF ADA		Quadro T400 4GB/ T1000 8GB RTX A2000 12GB/4000 SFF ADA	All Quadro	All Quadro	All Quadro	All Quadro
Recommended Power Supply	19~24 DC		(default with a 250W power supply)	(850W) 96PS-A850WPS2G (700W) PS8-700ATX-BB For RTX 4080 and 4090, please select 850W↑	(default with an 850W power supply)	(850W) 96PS-A850WPS2G (700W) PS8-700ATX-BB For RTX 4080 and 4090, please select 850W↑	ATX 3.0 850W ATX 3.0 1200W
Compatible GPU Card Dimension	Max. card length: 179 mm Max. card height: 111 mm	Max. card length: 170 mm Max. card height: 69 mm	Max. card length: 170 mm Max. card height: 69 mm	Max. card length: FL (340 mm) Max. card height: 135 mm	Max. card length: FL (340 mm) Max. card height: FH (111.15 mm)	Max. card length: FL (340 mm) Max. card height: 135 mm	Max. card length: 357 mm Max. card height: 180 mm
Dimension (W x H x D)	155 x 150 x 230 mm	195 x 150 x 230 mm	95 x 270 x 300 mm	82 x 177 x 479 mm	482 x 88 x 445 mm	200 x 320 x 480 mm	365 x 206 x 450 mm