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Embedded MXM Modules based on NVIDIA Series Products

NVIDIA Embedded GPUs



MODEL :	MXM1030V1	MXM1050TIV1	MXM1650V1	MXM1660SV3	MXM3050V1	MXM3060V1
GPU :	GT 1030	GTX 1050 TI	GTX 1650	GTX 1660 SUPER	RTX 3050	RTX 3060
CUDA Core:	384	768	896	1048	2560	3584
Core Base Clock :	1228 Mhz	1291 Mhz	1485 Mhz	1485 Mhz	1552 Mhz	1320 Mhz
Memory Size/Type:	2GB GDDR5 64bit	4GB GDDR5 128bit	4GB GDDR5 128bit	6GB GDDR6,192bit	8GB GDDR6,128bit	12GB GDDR6,192bit
Memory Clock:	6.0 Gbps	7.0 Gbps	8.0 Gbps	14.0 Gbps	14.0 Gbps	15.0 Gbps
MXM Type :	MXM 3.1 Type A	MXM 3.1 Type A	MXM 3.1 Type A	MXM 3.1 Type B	MXM 3.1 Type B	MXM 3.1 Type B
Interface :	PCI-E 3.0(x 4)	PCI-E 3.0(x 8)	PCI-E 3.0(x 8)	PCI-E 3.0(x 8)	PCI-E 4.0(x16)	PCI-E 4.0(x16)
Dimensions :	82mm x 70mm	82mm x 70mm	82mm x 70mm	82mm x 105mm	82mm x 105mm	82mm x 105mm
TDP:	30w	75w	75w	95w~125W	75w~130w	90w~180w
Working Temperaturet :	0℃ ~ 55℃					
API Support						
DirectX :	12.1	12.1	12.1	12.1	12 Ultimate	12 Ultimate
Vulkan :	1.3	1.3	1.3	1.3	1.3	1.3
OpenGL :	4.6	4.6	4.6	4.6	4.6	4.6
OpenCL :	3.0	3.0	3.0	3.0	3.0	3.0
CUDA :	6.1	6.1	7.5	7.5	8.6	8.6
Performance						
Pixel Fillrate:	23.49 GPixels/s	44.54 GPixels/s	53.3 GPixels/s	85.7 GPixels/s	56.9 GPixels/s	85.3 GPixels/s
Texture Fillrate:	35.23 GTexel/s	66.82 GTexel/s	93.2 GTexel/s	157.1 GTexel/s	142.2 GTexel/s	199 GTexel/s
FP32(float):	1.127 TFLOPS	2.138 TFLOPS	2.984 TFLOPS	5.02 TFLOPS	9.1 TFLOPS	12.74 TFLOPS
FP64 (double):	35.23 GFLOPS	66.82 GFLOPS	193.24 GFLOPS	157.1 GFLOPS	142.2 GFLOPS	199 GFLOPS
Support Display out :						
A TYPE A/B/C/D :	HDMI/ - /DP/ -	DP/DP/DP/DP	HDMI/HDMI/DP/DP	DP/DP/HDMI/DP	DP/DP/HDMI/DP	DP/DP/HDMI/DP
B TYPE A/B/C/D :	DP/ - /DP/ -	DP/DP/HDMI/DP	DP/DP/DP/DP	DP/DP/DP/DP	x	X
C TYPE A/B/C/D :	x	HDMI/HDMI/HDMI/HDMI	HDMI/HDMI/HDMI/HDMI	X	x	X



GPU



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Embedded MXM Modules based on NVIDIA Laptop GPUs Series

NVIDIA Embedded GPUs

**Coming soon !
Nov.~Dec.-2022**

MODEL :	MXM36L06	MXM36L12	MXM37L08	MXM37iL08	MXM38L08
GPU :	RTX 3060 Laptop	RTX 3060 Laptop	RTX 3070 Laptop	RTX 3070 Ti Laptop	RTX 3080 Laptop
CUDA Core:	3840	3840	5120	5888	6144
Core Base Clock :	900 Mhz	900 Mhz	1110 Mhz	915 Mhz	1110 Mhz
Memory Size/Type:	6GB GDDR6 192bit	12GB GDDR6 192bit	8GB GDDR6 256bit	8GB GDDR6 256it	8GB GDDR6 256Bit
Memory Clock:	14.0 Gbps	14.0 Gbps	14.0 Gbps	14.0 Gbps	14.0 Gbps
MXM Type :	MXM 3.1 Type B	MXM 3.1 Type B	MXM 3.1 Type B	MXM 3.1 Type B	MXM 3.1 Type B
Interface :	PCI-E 4.0(x 16)	PCI-E 4.0(x 16)	PCI-E 4.0(x 16)	PCI-E 4.0(x 16)	PCI-E 4.0(x16)
Dimensions :	82mm x 105mm	82mm x 105mm	82mm x 105mm	82mm x 105mm	82mm x 105mm
TDP:	115w	115w	115w	115w	115w
Working Temperaturet :	0℃ ~ 55℃				
API Support					
DirectX :	12 Ultimate	12 Ultimate	12 Ultimate	12 Ultimate	12 Ultimate
Vulkan :	1.3	1.3	1.3	1.3	1.3
OpenGL :	4.6	4.6	4.6	4.6	4.6
OpenCL :	3.0	3.0	3.0	3.0	3.0
CUDA	8.6	8.6	8.6	8.6	3.0
Performance					
Pixel Fillrate:	68.4 GPixels/s	68.4 GPixels/s	124.8 GPixels/s	135.4 GPixels/s	164.2 GPixels/s
Texture Fillrate:	171.0 GTexel/s	171.0 GTexel/s	249.6 GTexel/s	259.4 GTexel/s	328.3 GTexel/s
FP32(float):	10.94 TFLOPS	10.94 TFLOPS	15.97 TFLOPS	16.6 TFLOPS	21 TFLOPS
FP64 (double):	171.0 GFLOPS	171.0 GFLOPS	249.6 GFLOPS	259.4 GFLOPS	53.6 GFLOPS/mm2
Support Display out :					
A TYPE A/B/C/D :	HDMI/HDMI/DP/DP	HDMI/HDMI/DP/DP	HDMI/HDMI/DP/DP	DP/DP/HDMI/DP	DP/DP/HDMI/DP
B TYPE A/B/C/D :	---	---	---	---	--
C TYPE A/B/C/D :	--	---	---	--	--



GPU



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