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Embedded MXM Modules based on AMD Series Products

AMD Mobile PCI Express Module



MODEL	MXMR5230V1	MXMA520V1	MXM550V1	MXM580V1	MXM55XTV1	MXM6600V1	MXM66XTV1
GPU :	R5 230 /HD7450	Radeon 520	RX 550	RX 580	RX 5500 XT	RX 6600	RX 6600 XT
Shaders :	160	384	512	2048	1408	1792	2048
Core Base Clock :	625 Mhz	600 Mhz	1083 Mhz	1206 Mhz	1542 Mhz	2044 Mhz	2359 Mhz
Memory Size/Type:	1/2GB GDDR3 64bit	1/2GB GDDR3 64bit	4GB GDDR5 128bit	4/8GB GDDR5 256bit	4GB GDDR6,128bit	8GB GDDR6,128bit	8GB GDDR6,128bit
Memory Clock:	667/800 Mhz	600/800 Mhz	6.0 Gbps	7.0 Gbps	14.0 Gbps	14.0 Gbps	14.0 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	MXM 3.1 Type B
Interface :	PCI-E 2.0(x 16)	PCI-E 3.0(x 8)	PCI-E 3.0(x 8)	PCI-E 3.0(x 8)	PCI-E 4.0(x 8)	PCI-E 4.0(x8)	PCI-E 4.0(x8)
Dimensions :	82mm x 70mm	82mm x 70mm	82mm x 70mm	82mm x 105mm	82mm x 105mm	82mm x 105mm	82mm x 105mm
TDP:	19w	19w	50W	120W	105W	100W	105W
Working Temperature :	0℃ ~ 55℃						
API Support							
DirectX :	11.2	12	12	12.1	12.1	12.2	12.2
Vulkan :	-	1.2	1.2	1.3	1.3	1.3	1.3
OpenGL :	4.4	4.6	4.6	4.6	4.6	4.6	4.6
OpenCL :	1.2	1.2	2.1	2.1	2.1	2.1	2.1
Performance							
Pixel Fillrate:	2.5 GPixels/s	4.1 GPixels/s	18.9 GPixels/s	41.1 GPixels/s	59 GPixels/s	159.4 GPixels/s	165.7 GPixels/s
Texture Fillrate:	5 GTexel/s	20.6 GTexel/s	37.9 GTexel/s	164.4 GTexel/s	162.4 GTexel/s	279 GTexel/s	331.4GTexel/s
Peak FP32 :	200 GFLOPS	659.2 GFLOPS	1.2 TFLOPS	5.3 TFLOPS	5.2 TFLOPS	8.9 TFLOPS	10.6 TFLOPS
FP32 Perf per Watt:	11.1 GFLOPS/W	-	24.2 GFLOPS/W	35.1 GFLOPS/W	40 GFLOPS/W	67.6 GFLOPS/W	66.3 GFLOPS/W
FP32 Performance:	3 GFLOPS/mm2	8.6 GFLOPS/mm2	12 GFLOPS/mm2	22.7 GFLOPS/mm2	32.9 GFLOPS/mm2	37.7 GFLOPS/mm2	44.7 GFLOPS/mm2
Support Display out :							
A TYPE A/B/C/D :	DVI/-/HDMI/-/VGA	DVI/-/HDMI/-/VGA	HDMI/HDMI/DP/DP	6DP	6DP	6DP	6DP
B TYPE A/B/C/D :	-	HDMI/-/DVI/-/VGA	DP/DP/DP/DP	-	-	-	-
C TYPE A/B/C/D :	-	-	HDMI/HDMI/HDMI/HDMI	-	-	-	-



GPU



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AMD Embedded GPUs Module

- * Mobile and static-screen digital signage
- * Retail and Kiosks
- * Factory human-machine interfaces
- * Thin client computing
- * Heads-up aerospace displays
- * Portable Medical Imaging Devices
- * Digital Signage
- * Casino and Arcade Gaming



MODEL	Me6760	Me6465	Me9170v1	Me9170v2	Me8860	Me9260
GPU :	E6760	E6465	E9172 E9174	E9172 E9174	E8860	E9260
Shaders :	480	160	512	512	640	896
Core Base Clock :	600 Mhz	600 Mhz	1219 Mhz	1219 Mhz	625 Mhz	1053 Mhz
Memory Size/Type:	1GB GDDR5 128bit	2GB GDDR5 64bit	2GB GDDR5 64bit 4GB GDDR 128Bit	2GB GDDR5 64bit 4GB GDDR 128Bit	2GB GDDR5 128bit	4GB GDDR5,128bit
Memory Clock:	3.2 Gbps	3.2 Gbps	6 Gbps	6 Gbps	4.5 Gbps	6.0 Gbps
MXM Type :	MXM 3.0 Type A	MXM 3.0 Type A	MXM 3.0 Type A	MXM 3.0 Type A	MXM 3.0 Type A	MXM 3.0 Type A
Interface :	PCI-E 2.1(x 16)	PCI-E 2.1(x 16)	PCI-E 3.0(x 8)	PCI-E 3.0(x 8)	PCI-E 3.0(x 16)	PCI-E 3.0(x 8)
Dimensions :	82mm x 70mm	82mm x 70mm	82mm x 70mm	82mm x 70mm	82mm x 70mm	82mm x 70mm
TDP:	45w	25w	25w 35w	25w 35w	37w	50w
Working Temperaturet :	Standard : 0℃ ~ 55℃ / Option: -20℃ ~ 55℃					
API Support :						
DirectX :	11.2	11.2	12	12	11.1	12
Shader Model :	5	5	6.4	6.4	5.1	6.4
OpenGL :	4.4	4.4	6.4	4.6	4.6	4.6
OpenCL :	1.2	1.2	2.1	2.1	1.2	2.1
Vulkan :	-	-	1.2	1.2	1.2	1.2
Performance :						
Pixel Fillrate:	4.8 GPixels/s	2.4 GPixels/s	19.5 GPixels/s	41.1 GPixels/s	10 GPixels/s	19.2 GPixels/s
Texture Fillrate:	14.40 GTexel/s	4.8 GTexel/s	39.01 GTexel/s	164.4 GTexel/s	25.0 GTexel/s	57.60 GTexel/s
FP32(float) :	576.0 GFLOPS	192.0 GFLOPS	1,248 GFLOPS	5.3 TFLOPS	800 GFLOPS	2.15 TFLOPS
Support out :						
A Type :	6DP	4DP	5DP	4DP	6DP	5DP
B Type :	-	-	DP/DP/HDMI/eDP/DP	DP/DP/HDMI/eDP	-	-
C Type :	-	-	-	-	-	-



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