

Mobile PCI Express Modules with Intel® Discrete GPUs

MXM-M23B

Embedded MXM GPU Type B Modules with Intel® Arc™ A-series graphics

Features

- Intel® Arc™ A-series discrete GPU with up to 24 X^e-Cores
- MXM 3.1 Type B form factor (82mm x 105mm)
- Up to 12GB GDDR6 memory, 192-bit
- PCIe Gen4 x16 interface
- Support up to 4 DisplayPort 4K@ 60Hz
- Support OpenVINO™, Intel® Deep Link
- DirectX12 Ultimate, OpenGL 4.6, OpenCL 3.0, AV1, H.264/H.265 (HEVC)



Specifications

Model Name	MXM-M23B-E5	MXM-M23B-P7	MXM-M23B-P5
Graphic Core			
GPU	Intel® Arc™ A730M	Intel® Arc™ A570M	Intel® Arc™ A530M
Memory	12GB GDDR6, 192-bit	8GB GDDR6, 128-bit	
GPGPU Computing			
X ^e -Cores	24	16	12
Matrix Engines (XMX)	384	256	192
Vector engines (XVE)	384	256	192
Graphics Engine	DX12 Ultimate, OpenGL 4.6, OpenCL 3.0, AV1, H.264/H.265 (HEVC)		
Display			
Display Outputs	4x DisplayPort 1.4/ 2.0* (Optional 4x HDMI 2.0/ 2.1**) **		
Interface	MXM 3.1, PCIe 4.0 x16 support		
Mechanicals			
Dimensions	82 (W) x 105 (D) x 6.2 (H) mm		
Form Factor	Standard MXM 3.1 Type B		
Environmental			
Operating Temp.	Standard: 0°C to 55°C		
Storage Temp.	-40°C to 85°C		
Power Consumption	80W - 120W TGP	75W - 95W TGP	65W - 95W TGP
SW Support			
OS Support	Windows 11, 10 64-bit, Ubuntu 22.04 LTS		

*Depend on the design of MXM carrier

**For optional HDMI support, please contact ASUS IoT