

MXRT-4600

3D PCIe Small Form Factor Display Controller



Equipped with 2GB of ultrafast GDDR5 memory and a 128-bit memory interface, the MXRT-4600 delivers up to 72GB/s of memory bandwidth in a low-profile package compatible with most small form factor workstations. Accelerate your workflow application responsiveness with 512 stream processors and enable more efficient data transfers between the GPU and CPU with PCIe® 3.0 support.

- Low-profile MXRT display controller (Low-Profile bracket included)
- 4 mini DisplayPort (DP) 1.2a video outputs
- 2 GB DDR5 display memory
- Single-wide form factor
- Powered by AMD's scalable FirePro workstation GPU

PRODUCT SPECIFICATIONS**MXRT-4600**

Bus compatibility	PCIe Gen3 x16
Power consumption	50 W
Form factor	168mm (L) x 68mm (H) Low profile single-slot form factor
Operating system	Windows 7, 32/64-bit, Windows 8.1 64-bit, Windows 10 64-bit
Platforms	Intel® and AMD architectures
Power Connector	None
Graphics accelerator	ATI FirePro™
Display memory	2 GB GDDR5
Memory interface	128-bit
Memory bandwidth	72 GB/s
Pixel depth	32-bit pixels (supports 8-bit and 10-bit per color channel)
Electrical standard	Display Port (DP) complying to v1.2a
Direct3D hardware support	Microsoft® DirectX v11.2, Vertex Shader 5.0, Pixel Shader 5.0
OpenGL hardware support	OpenGL 4.4
OpenCL hardware support	OpenCL 2.0
Connectors	4-Mini DisplayPort (DP)
Supported resolutions	Up to 8MP resolution at full refresh rate (VGA at boot-up)
Approvals	FCC Part 15 Class B, EN 55022 Limit B, EN 55024, UL-60950-1, BMSI CNS, CISPR-22/24, IEC60950-1, VCCI, CSA C22.2, EU RoHS directive (2011/65/EC), Certificate of Information & Communication Equipment (Republic of Korea), CAN ICES-3(B)/NMB-3(B)
Environmental	0° to 55°C
Connectivity	Native DisplayPort suggested Single-link DisplayPort
Availability	Limited regional distribution

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Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.