MXRT-2500

3D PCIe small form factor display controller



The MXRT-2500 is a low-profile and small form factor PCIe display controller. It is compatible with the DisplayPort interface standard and offers a perfect solution for set-ups where a low-profile workstation is needed for space efficiency.

Flexible projection configurations

The MXRT-2500 display controller is available with Barco's Conference CloneView^{TM} software, which enables accurate projection of medical images onto a large-screen display.

The software tool ensures effortless cloning, scaling, zooming and panning of medical images on the large screen, making Barco displays and controllers perfectly suited for use in teaching hospitals, auditoriums and (tele)conference rooms.

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Product specifications	MXRT-2500
Bus compatibility	PCIe Gen2.1 x16
Power consumption	43 W
Form factor	169.7 mm (6.7") (L) x 55 mm (2.2") (H) single PCIe slot wide
Operating system	Windows 7 - 32/64-bit Windows 8.1 - 32/64-bit
Platforms	Intel® and AMD architectures
Graphics accelerator	ATI FirePro TM
Display memory	1 GB DDR3
Memory interface	128-bit
Memory bandwidth	28.8 GB/s
Pixel depth	32-bit pixels (supports 8-bit and 10-bit per color channel)
Electrical standard	Dual-Link DVI complying to v1.0 DisplayPort (DP) complying to v1.2
Direct3D hardware support	Microsoft® DirectX v11.0, Vertex Shader 5.0, Pixel Shader 5.0
OpenGL hardware support	OpenGL 4.2
OpenCL hardware support	OpenCL 1.1
Connectors	1- DisplayPort (DP), 1- DVI-I
Supported resolutions	Up to 5.8MP grayscale at full refresh rate (VGA at boot-up)
Approvals and compliance	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)
Operational temperature	0° to 60°C (32° to 140° F)
Connectivity	Single-link Display Port (DP) to DVI-I adaptor cable (1- adaptor is included)

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